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Ohio Labor Market Information Labor Market Review

December 1988

Summary. Ohio's seasonally adjusted unemployment rate slipped .2 percentage points from November, to 5.5 percent in December. The national rate declined slightly, from 5.4 percent in November to 5.3 percent in December. Total employment in Ohio declined 13,000, to 5,028,000, while the number of unemployed, at 293,000, was down 11,000. Nonagricultural payroll employment (seasonally adjusted) increased 13,000, to 4,751,000. (See page 3.)

Factory Employment. Manufacturing employment in Ohio rose 2,000 from November, to 1,114,000 in December. Both durable-goods employment, at 747,000, and nondurable-goods employment, at 366,000, were up 1,000 from November.

Nonmanufacturing. Advances of 4,000 in services and 3,000 in retail trade helped raise nonmanufacturing employment 11,000, to 3,638,000 in December. Construction employment increased 2,000, while wholesale trade added 1,000 jobs. Mining, transportation and public utilities, finance, insurance, and real estate, and government were unchanged from November.

Over the Year. The unemployment rate in Ohio dropped from 6.2 percent in December 1987 to 5.5 percent in December 1988. Nationwide, the unemployment rate fell from 5.8 percent to 5.3 percent over the year. Ohio's total employment was up 91,000, while the number of jobless workers dropped 34,000. Nonfarm wage and salary employment increased 113,000 from December 1987. Employment in services rose 41,000, retail trade advanced 29,000, and construction increased 13,000. Gains in durable-goods industries, especially nonelectrical machinery, primary metal industries, and lumber and wood products, helped raise manufacturing employment 11,000. All other major divisions had increases in employment, except mining, which declined 1,000.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries earned an average of $533.92 per week in December, up $2.09 from November. Their average workweek increased fractionally, to 43.8 hours. Most industries had greater earnings, with the notable exception of primary metal industries. Significant gains occurred in general industrial machinery, miscellaneous plastics products, motor vehicles and equipment, and electrical industrial apparatus.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 72,994 in December, up 33.9 percent from November, but down 17.8 percent from December 1987. Total benefits paid increased 39.4 percent from November, to $47.8 million. The average weekly benefit of $157.22 was $3.29 higher. The average weekly number of benefit recipients rose 38.1 percent, to 69,005. At the end of December, there were 201,646 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Employment Service. The number of new job applicants served by the Ohio Bureau of Employment Services in December, at 31,650, was down 13.1 percent from November. The number of job openings received from employers dropped 32.5 percent from November, to 6,861. The Employment Services Division made 16,946 job referrals and 4,180 placements.

The LMI Division is producing a new publication, *Leading Indicators*. This publication will contain indexes of leading economic indicators for Ohio and its eight largest metropolitan areas.

See pages 14 and 15 for more information.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Dec. 1988	Nov. 1988	Dec. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,321	5,345	5,264	-24	57	-0.4	1.1
Employment	5,028	5,041	4,937	-13	91	-0.3	1.8
Unemployment	293	304	327	-11	-34	-3.6	-10.4
Unemployment Rate	5.5	5.7	6.2				
Employer Survey Data[e]							
Total	4,751	4,738	4,639	13	113	0.3	2.4
Manufacturing	1,114	1,111	1,103	2	11	0.2	1.0
Durable Goods	747	746	739	1	9	0.2	1.2
Nondurable Goods	366	365	364	1	2	0.2	0.6
Nonmanufacturing	3,638	3,627	3,536	11	102	0.3	2.9
Mining	20	20	20	0	-1	-0.5	-2.5
Construction	197	195	185	2	13	1.2	6.8
Transportation and Public Utilities	211	210	208	0	3	0.1	1.3
Wholesale Trade	261	260	253	1	8	0.3	3.2
Retail Trade	888	885	859	3	29	0.3	3.4
Finance, Insurance and Real Estate	254	253	247	0	7	0.1	2.8
Services	1,113	1,109	1,072	4	41	0.4	3.8
Government	695	695	693	0	2	0.0	0.3
Goods Producing Industries[f]	1,331	1,326	1,308	5	23	0.3	1.8
Service Producing Industries[g]	3,421	3,412	3,331	8	90	0.2	2.7

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1986
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March
5,277	4,945	332	6.3	5.4	April
5,248	4,922	326	6.2	5.6	May
5,271	4,959	312	5.9	5.3	June
5,252	4,973	279	5.3	5.4	July
5,298	5,000	298	5.6	5.6	August
5,251	4,947	304	5.8	5.4	September
5,311	5,016	295	5.6	5.3	October
5,345	5,041	304	5.7	5.4	November
5,321	5,028	293	5.5	5.3	December

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

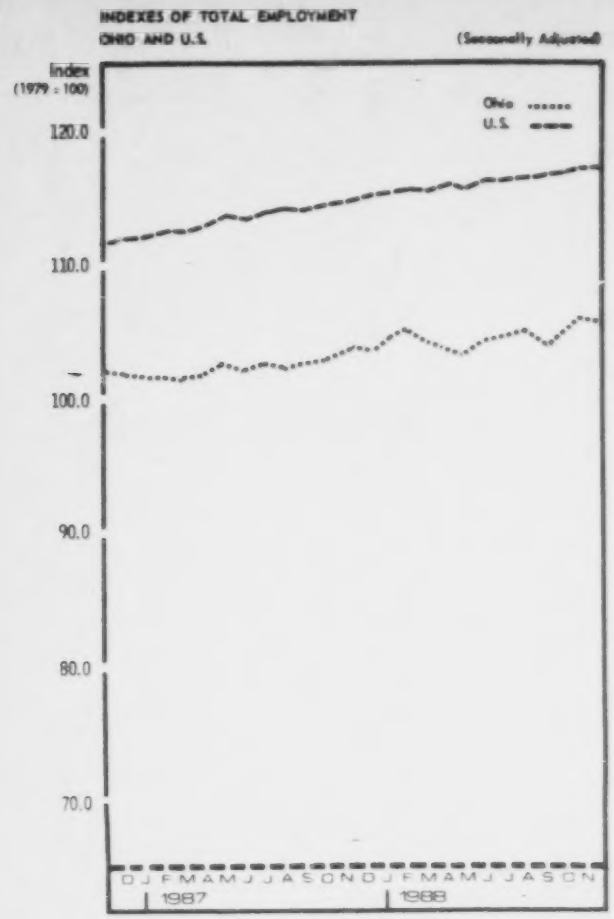
Total Nonagricultural	Manufacturing		
		Durable	Nondurable
			1986
4,521	1,103	745	357
			1987
4,532	1,096	740	356
4,549	1,099	742	357
4,552	1,093	737	356
4,552	1,096	738	357
4,560	1,094	736	357
4,568	1,092	735	357
4,567	1,082	725	358
4,589	1,095	734	360
4,597	1,097	737	360
4,610	1,097	736	361
4,626	1,100	738	362
4,639	1,103	739	364
			1988
4,654	1,104	739	366
4,665	1,102	737	364
4,667	1,096	732	364
4,667	1,099	736	363
4,673	1,099	736	362
4,682	1,100	737	363
4,687	1,099	736	363
4,689	1,098	736	362
4,700	1,098	736	362
4,720	1,106	742	364
4,738	1,111	746	365
4,751	1,114	747	366

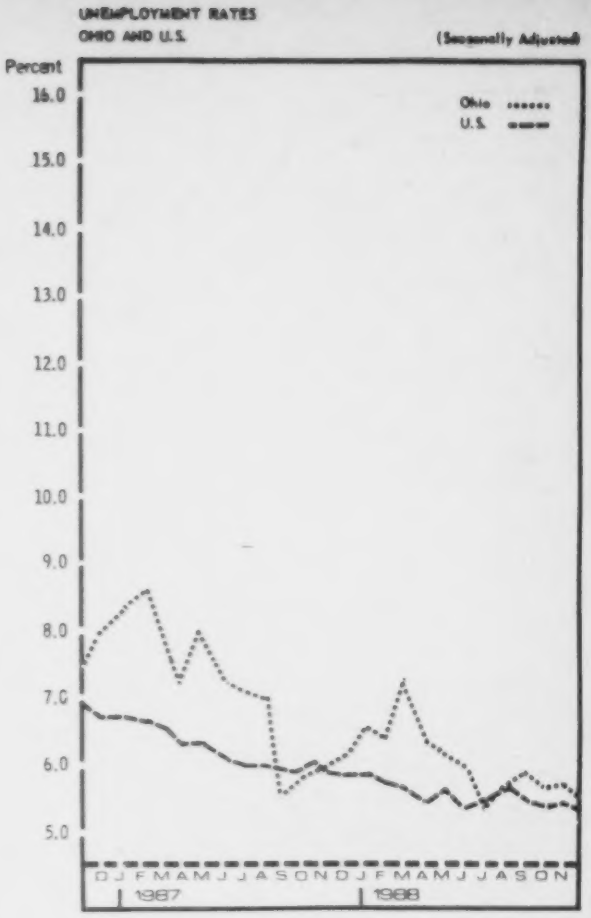
Ohio Nonmanufacturing Wage & Salary Employment

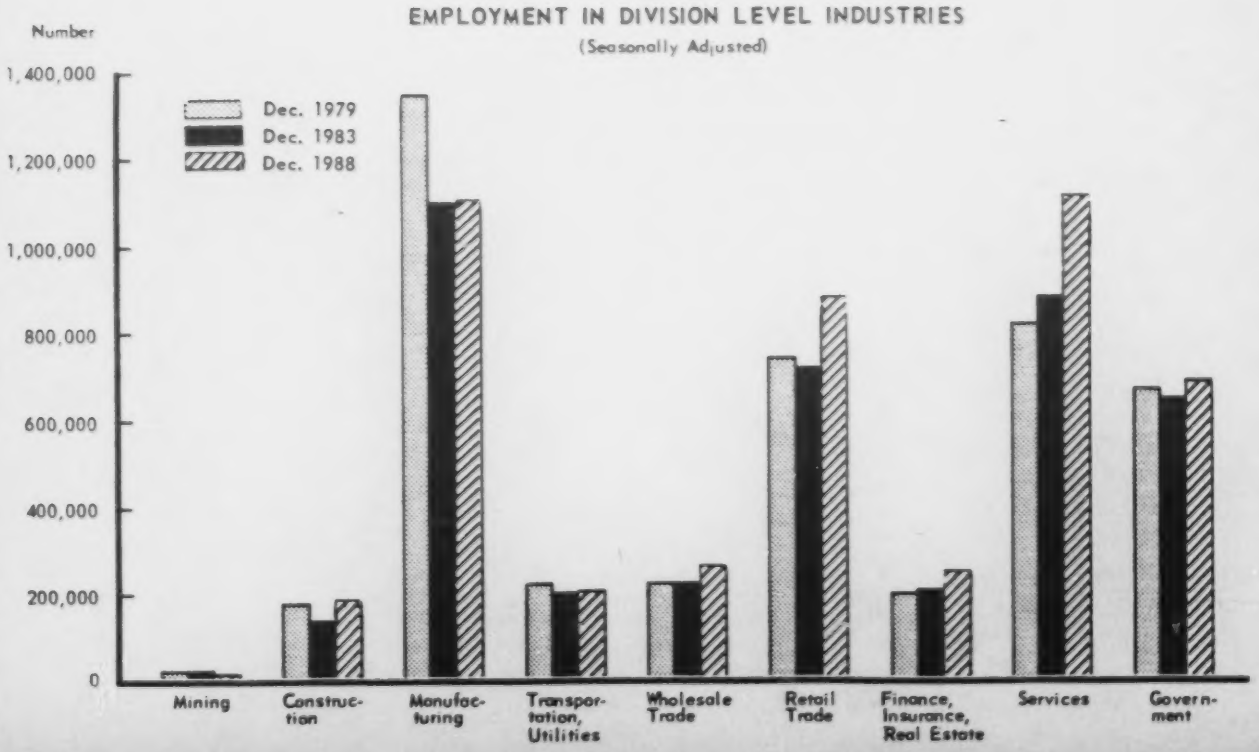
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1986				
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,568	20	191	209	254	April	868	250	1084	693
3,574	20	190	209	254	May	869	250	1088	693
3,582	20	191	209	256	June	870	250	1092	694
3,588	20	191	210	256	July	873	251	1094	693
3,591	20	191	210	257	August	875	252	1098	688
3,602	20	192	210	258	September	876	252	1101	693
3,613	20	192	210	259	October	881	253	1104	694
3,627	20	195	210	260	November	885	253	1109	695
3,638	20	197	211	261	December	888	254	1113	695

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)
Index
(1979 = 100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
U.S.
D J F M A M J J A S O N D J F M A M J J A S O N
1987
1988


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)
Percent
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
Ohio
U.S.
D J F M A M J J A S O N D J F M A M J J A S O N
1987
1988


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Dec. 1979
Dec. 1983
Dec. 1988
Mining
Construc-tion
Manufac-turing
Transpor-tation, Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, Real Estate
Services
Govern-ment

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,231	4,806	425	8.1	7.0	1986
5,248	4,881	367	7.0	6.2	1987
					1987
5,259	4,937	322	6.1	5.4	December
					1988
5,258	4,883	375	7.1	6.3	January
5,279	4,905	374	7.1	6.2	February
5,295	4,879	416	7.9	5.9	March
5,257	4,941	316	6.0	5.3	April
5,243	4,941	302	5.8	5.4	May
5,325	5,002	323	6.1	5.5	June
5,336	5,064	272	5.1	5.5	July
5,343	5,044	299	5.6	5.4	August
5,251	4,952	300	5.7	5.2	September
5,327	5,052	276	5.2	5.0	October
5,360	5,075	284	5.3	5.2	November
5,312	5,028	284	5.4	5.0	December

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing			
		Durable	Nondurable	
4,230.1	1,344.1	945.2	398.9	1977
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,578.9	1,095.3	736.4	358.9	1987
				1987
4,676.9	1,102.9	738.6	364.3	December
				1988
4,565.8	1,094.5	732.6	361.9	January
4,568.8	1,092.4	732.3	360.1	February
4,595.8	1,088.8	729.0	359.7	March
4,653.9	1,097.7	737.1	360.6	April
4,704.6	1,099.7	738.4	361.3	May
4,728.6	1,106.7	742.1	364.7	June
4,692.8	1,100.0	736.6	363.3	July
4,693.3	1,101.2	735.6	365.6	August
4,745.2	1,109.4	740.7	368.7	September
4,770.6	1,109.1	742.8	366.4	October
4,847.2	1,114.6	748.3	366.3	November
4,790.5	1,114.3	747.5	366.8	December

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
					1987				
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
					1988				
3,471.3	20.1	163.5	203.3	250.9	January	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	February	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	March	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	April	857.3	248.6	1,085.1	705.8
3,605.0	19.9	191.0	209.3	255.3	May	870.9	250.1	1,098.0	710.5
3,621.9	20.3	200.1	210.9	257.6	June	877.4	252.5	1,109.4	693.7
3,592.8	20.5	209.0	211.2	257.9	July	878.8	253.9	1,108.4	653.2
3,592.0	20.5	212.2	211.7	258.1	August	883.8	254.4	1,110.1	641.3
3,635.9	20.5	211.6	212.5	258.3	September	885.7	252.9	1,115.2	679.0
3,661.4	20.5	212.4	212.7	260.3	October	889.1	253.1	1,110.6	702.8
3,732.6	20.4	206.2	212.4	260.3	November	902.9	253.1	1,107.7	769.6
3,676.2	20.0	195.3	212.4	260.9	December	918.0	253.5	1,105.3	710.7

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Manufacturing				Production Workers in Manufacturing		
	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.8	729.0	359.7	March	744.5	378.6	31.8
1,097.7	737.1	360.6	April	752.3	388.8	32.4
1,099.7	738.4	361.3	May	754.3	389.5	32.4
1,106.7	742.1	364.7	June	759.3	396.2	32.9
1,100.0	736.6	363.3	July	751.9	377.8	31.8
1,101.2	735.6	365.6	August	753.6	380.6	32.0
1,109.4	740.7	368.7	September	762.7	398.0	33.0
1,109.1	742.8	366.4	October	762.3	398.7	33.0
1,114.6	748.3	366.3	November	768.0	408.5	33.6
1,114.3	747.5	366.8	December	767.0	409.5	33.6

Production Workers Average Weekly Earnings

Manufacturing				Production Workers Average Weekly Hours				Production Workers Average Hourly Earnings			
	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods	
$283.08	$292.02	$258.34	1977	42.0	42.2	41.4	1977	$6.74	$6.92	$6.24	1977
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73	1978
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25	1979
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96	1980
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80	1981
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38	1982
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77	1983
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02	1984
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31	1985
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57	1986
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86	1987
			1987				1987				
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99	December
			1988				1988				
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98	January
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92	February
508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97	March
516.86	538.22	465.89	April	43.0	43.3	42.2	April	12.02	12.43	11.04	April
516.43	540.27	460.90	May	43.0	43.5	41.9	May	12.01	12.42	11.00	May
521.77	547.87	464.62	June	43.3	43.9	42.2	June	12.05	12.48	11.01	June
502.52	521.85	461.47	July	42.3	42.6	41.8	July	11.88	12.25	11.04	July
504.98	525.21	460.22	August	42.4	42.7	41.8	August	11.91	12.30	11.01	August
521.77	545.38	469.63	September	43.3	43.7	42.5	September	12.05	12.48	11.05	September
523.06	546.69	467.84	October	43.3	43.7	42.3	October	12.08	12.51	11.06	October
531.83	557.80	472.43	November	43.7	44.2	42.6	November	12.17	12.62	11.09	November
533.92	559.51	475.68	December	43.8	44.3	42.7	December	12.19	12.63	11.14	December

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

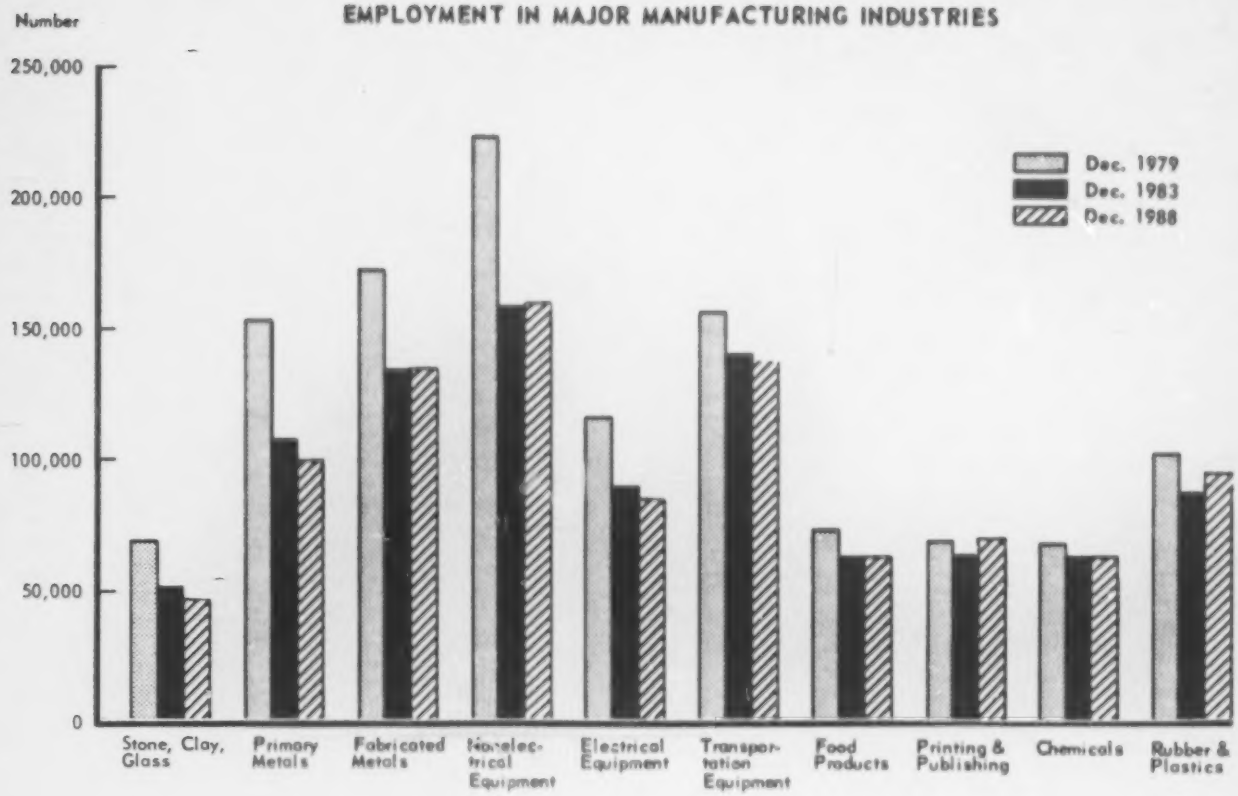
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
49.0	98.3	132.3	August	157.1	85.2	139.1	August	64.9	71.2	94.0
48.6	100.4	134.6	September	158.4	85.3	138.0	September	67.4	71.5	94.3
48.5	100.1	134.7	October	158.9	85.9	139.2	October	65.0	71.7	94.9
48.7	100.9	135.7	November	160.2	86.1	141.1	November	64.5	71.8	95.1
48.2	101.3	136.1	December	161.2	85.8	139.3	December	64.7	72.2	95.1

Average Weekly Earnings of Production Workers

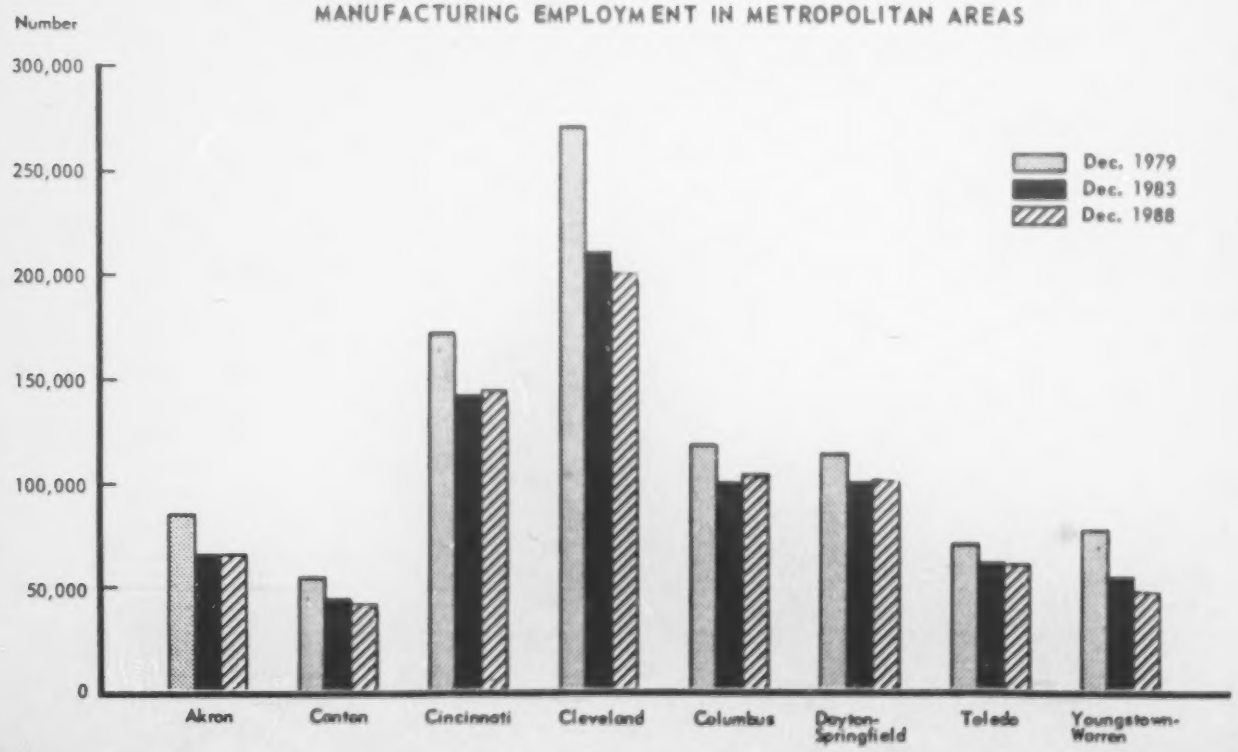
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.25	630.90	534.16	December	551.82	490.91	726.03	December	459.24	459.49	460.78

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
TOTAL	4790.5	4847.2	4676.9	- 56.7	113.7
MANUFACTURING	1114.3	1114.6	1102.9	- .3	11.4
Durable Goods[e]	747.5	748.3	738.6	- .8	8.9
Lumber and wood products	22.8	23.1	20.0	- .2	2.8
Furniture and fixtures	14.2	14.2	14.5	.0	- .3
Stone, clay, and glass products	48.2	48.7	48.1	- .5	.1
Glass and glassware, pressed or blown	9.5	9.8	9.6	- .2	- .1
Primary metal industries	101.3	100.9	98.0	.5	3.4
Blast furnace and basic steel products	45.5	45.4	44.4	.0	1.1
Iron and steel foundries	22.0	21.9	21.1	.1	.9
Nonferrous rolling and drawing	18.2	18.1	17.1	.1	1.1
Fabricated metal products	136.1	135.7	134.8	.3	1.3
Cutlery, hand tools, and hardware	9.8	9.9	9.9	.0	.0
Fabricated structural metal products	28.9	28.8	29.2	.1	- .3
Metal forgings and stampings	42.7	42.8	42.6	- .1	.1
Machinery, except electrical	161.2	160.2	155.1	.9	6.1
Construction and related machinery	12.7	12.5	12.4	.2	.2
Metalworking machinery	41.0	40.7	39.8	.3	1.2
Special industry machinery	18.2	18.2	16.6	.0	1.6
General industrial machinery	28.5	28.3	27.8	.1	.7
Office and computing machines	13.1	13.2	13.7	- .1	- .7
Refrigeration and service machinery	16.1	16.1	15.6	.0	.5
Electric and electronic equipment	85.8	86.1	86.3	- .3	- .5
Electrical industrial apparatus	17.2	17.3	16.1	- .1	1.1
Household appliances	15.7	15.7	15.9	.0	- .2
Electric lighting and wiring equipment	17.2	17.2	17.1	.1	.2
Communication equipment	9.6	9.8	10.1	- .1	- .4
Transportation equipment	139.3	141.1	144.2	- 1.8	- 4.9
Motor vehicles and equipment	92.1	93.6	94.0	- 1.5	- 2.0
Aircraft and parts	38.1	38.3	40.7	- .3	- 2.6
Instruments and related products	23.7	23.6	23.6	.2	.1
Measuring and controlling devices	12.9	12.9	13.1	.0	- .2
Nondurable Goods[f]	366.8	366.3	364.3	.5	2.6
Food and kindred products	64.7	64.5	63.8	.2	.9
Meat products	9.3	9.2	9.7	.1	- .4
Dairy products	10.9	10.9	10.7	.0	.2
Preserved fruits and vegetables	11.1	11.3	10.8	- .2	.3
Bakery products	9.2	9.0	9.0	.2	.1
Beverages	9.4	9.3	9.4	.1	.0
Apparel and other textile products	17.1	17.1	16.2	- .1	.9
Paper and allied products	38.0	37.7	38.0	.3	- .1
Misc. converted paper products	12.5	12.5	12.3	.0	.1
Paperboard containers and boxes	13.3	13.2	13.2	.2	.2
Printing and publishing	72.2	71.8	71.7	.3	.5
Newspapers	19.5	19.4	19.8	.1	- .3
Commercial printing	26.8	26.7	26.5	.1	.3
Chemicals and allied products	63.4	63.2	63.4	.2	.0
Industrial inorganic chemicals	8.7	8.6	9.4	.1	- .7
Rubber and misc. plastics products	95.1	95.1	94.5	.0	.6
Tires and inner tubes	17.1	17.2	16.8	.0	.3
Miscellaneous plastics products	56.9	57.0	56.9	- .1	.0

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3676.2	3732.6	3573.9	- 56.4	102.3
MINING	20.0	20.4	20.5	- .3	- .5
Bituminous coal and lignite mining	8.3	8.4	8.7	- .1	- .4
Oil and gas extraction	7.0	7.0	7.0	.1	.0
CONSTRUCTION	195.3	206.2	182.9	- 10.8	12.4
General building contractors	50.3	51.8	46.1	- 1.6	4.2
Heavy construction contractors	23.6	27.9	22.2	- 4.3	1.4
Highway and street construction	10.0	13.0	8.9	- 3.0	1.1
Special trade contractors	121.5	126.5	114.6	- 4.9	6.9
TRANSPORTATION AND PUBLIC UTILITIES	212.4	212.4	209.6	.0	2.8
Railroad transportation	12.5	12.9	13.3	- .4	- .7
Transportation, except railroads	111.3	110.8	107.0	.4	4.3
Trucking and warehousing	77.0	76.3	75.2	.8	1.8
Communication, electric, gas services	88.6	88.7	89.3	- .1	- .7
Communication	46.8	47.0	47.6	- .2	- .8
Electric, gas, and sanitary services	41.8	41.7	41.8	.1	.1
WHOLESALE TRADE	260.9	260.3	252.8	.6	8.1
Wholesale trade-durable goods	163.4	163.2	158.9	.2	4.5
Motor vehicles & automotive equipment	22.3	22.3	22.0	.1	.3
Electrical goods	19.7	19.6	19.8	.1	- .2
Machinery, equipment, and supplies	69.7	69.6	67.7	.1	2.0
Wholesale trade-nondurable goods	97.5	97.1	93.9	.4	3.6
Groceries and related products	30.6	30.5	29.6	.1	1.0
RETAIL TRADE	918.0	902.9	887.8	15.1	30.2
General merchandise stores	135.7	129.6	134.9	6.1	.8
Department stores	117.8	112.2	118.1	5.6	- .3
Food stores	141.9	139.2	135.2	2.7	6.8
Automotive dealers & service stations	96.6	96.9	93.7	- .3	2.9
Apparel and accessory stores	49.3	46.8	46.7	2.5	2.7
Eating and drinking places	308.1	307.9	300.2	.2	7.9
FINANCE, INSURANCE, AND REAL ESTATE	253.5	253.1	246.7	.4	6.8
Banking	64.6	64.4	63.6	.2	1.0
Credit agencies other than banks	38.1	37.9	37.8	.1	.3
Insurance carriers	70.1	70.1	68.8	.1	1.3
Life insurance	26.1	26.0	25.9	.1	.2
Fire, marine, and casualty insurance	31.0	31.0	30.5	.0	.5
SERVICES	1105.3	1107.7	1064.7	- 2.4	40.6
Hotels and other lodging places	35.0	35.2	33.9	- .3	1.1
Personal services	59.2	59.0	57.3	.2	1.9
Laundry, cleaning, & garment services	19.7	19.8	19.2	- .1	.5
Business services	231.4	230.7	216.7	.6	14.7
Services to buildings	32.1	32.0	30.1	.1	2.0
Computer and data processing services	21.5	21.3	19.5	.2	2.0
Amusement and recreation services	32.7	34.2	33.8	- 1.5	- 1.2
Health services	376.4	375.4	365.8	1.0	10.5
Nursing and personal care facilities	83.6	83.4	80.8	.3	2.8
Hospitals	180.5	180.2	178.4	.2	2.1
Educational services	65.7	67.7	63.8	- 2.0	1.9
Colleges and universities	36.1	38.0	34.4	- 1.9	1.7
GOVERNMENT	710.7	769.6	708.9	- 58.8	1.8
Federal government	95.5	95.0	95.9	.5	- .4
State government	165.6	164.2	162.0	1.3	3.6
State government education[1]	91.7	90.6	88.7	1.1	3.0
State government, except education	73.9	73.6	73.3	.2	.6
Local government	449.6	510.3	451.0	- 60.7	- 1.4
Local government education	263.7	264.2	267.2	- .5	- 3.5
Local government, except education	186.0	246.2	183.9	- 60.2	2.1

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MANUFACTURING	$533.92	$531.83	$512.67	43.8	43.7	43.3	$12.19	$12.17	$11.84
Durable Goods[e]	559.51	557.80	532.36	44.3	44.2	43.6	12.63	12.62	12.21
Lumber and wood products	334.65	338.30	300.03	42.2	42.5	41.1	7.93	7.96	7.30
Furniture and fixtures	373.19	381.14	373.75	41.1	41.7	41.9	9.08	9.14	8.92
Stone, clay, and glass products	463.25	473.90	451.76	42.5	43.2	42.3	10.90	10.97	10.68
Glass and glassware, pressed or blown.	477.43	492.26	460.12	41.3	42.4	39.7	11.56	11.61	11.59
Primary metal industries	630.90	639.77	611.52	45.0	45.6	44.8	14.02	14.03	13.65
Blast furnace and basic steel products	627.10	637.06	648.17	44.1	44.8	46.1	14.22	14.22	14.06
Iron and steel foundries	698.02	696.26	614.68	47.1	47.3	44.0	14.82	14.72	13.97
Nonferrous rolling and drawing	656.21	671.64	606.11	43.2	44.1	41.6	15.19	15.23	14.57
Fabricated metal products	534.16	531.29	514.65	44.0	43.8	43.8	12.14	12.13	11.75
Cutlery, hand tools, and hardware	521.25	517.08	494.36	41.8	41.7	41.3	12.47	12.40	11.97
Fabricated structural metal products	465.62	460.82	480.90	42.6	42.2	44.2	10.93	10.92	10.88
Metal forgings and stampings	656.10	661.83	618.55	45.0	45.3	44.5	14.58	14.61	13.90
Machinery, except electrical	551.82	545.13	520.68	44.9	44.5	44.2	12.29	12.25	11.78
Construction and related machinery	438.37	452.34	434.52	41.2	42.0	42.6	10.64	10.77	10.20
Metalworking machinery	528.50	525.22	519.38	45.6	45.2	45.4	11.59	11.62	11.44
Special industry machinery	517.05	524.87	513.88	45.0	45.8	44.3	11.49	11.46	11.60
General industrial machinery	591.22	561.11	535.76	45.2	43.7	43.7	13.08	12.84	12.26
Office and computing machines	475.25	448.26	456.62	42.7	41.2	45.3	11.13	10.88	10.08
Refrigeration and service machinery	639.12	628.70	557.53	44.6	44.4	41.7	14.33	14.16	13.37
Electric and electronic equipment	490.91	477.99	476.27	43.1	42.3	42.6	11.39	11.30	11.18
Electrical industrial apparatus	519.75	487.52	472.81	46.2	44.0	43.1	11.25	11.08	10.97
Household appliances	507.83	503.40	485.62	41.9	41.5	40.3	12.12	12.13	12.05
Electric lighting and wiring equipment	502.78	489.20	484.70	42.5	42.1	43.2	11.83	11.62	11.22
Communication equipment	486.26	459.80	488.22	41.0	39.4	41.8	11.86	11.67	11.68
Transportation equipment	726.03	717.02	656.37	46.6	46.2	44.2	15.58	15.52	14.85
Motor vehicles and equipment	763.42	754.15	672.53	47.3	46.9	44.1	16.14	16.08	15.25
Aircraft and parts	637.82	627.59	639.86	45.3	44.7	46.0	14.08	14.04	13.91
Instruments and related products	381.82	377.29	376.18	41.1	40.7	40.8	9.29	9.27	9.22
Measuring and controlling devices	374.53	369.47	355.89	40.1	39.6	38.6	9.34	9.33	9.22
Nondurable Goods[f]	475.68	472.43	469.27	42.7	42.6	42.7	11.14	11.09	10.99
Food and kindred products	459.24	452.83	455.80	42.8	42.4	43.0	10.73	10.68	10.60
Meat products	379.99	363.08	387.61	42.6	41.4	41.5	8.92	8.77	9.34
Dairy products	465.25	477.40	480.91	43.4	44.0	43.6	10.72	10.85	11.03
Preserved fruits and vegetables	488.92	478.70	480.26	42.7	42.4	43.7	11.45	11.29	10.99
Bakery products	474.01	483.55	469.54	39.9	40.6	40.2	11.88	11.91	11.68
Beverages	423.23	420.80	431.96	40.5	40.5	41.1	10.45	10.39	10.51
Apparel and other textile products	312.53	314.57	307.53	40.8	41.5	40.2	7.66	7.58	7.65
Paper and allied products	506.45	499.26	490.60	44.7	44.3	44.0	11.33	11.27	11.15
Misc. converted paper products	445.09	434.93	440.22	44.2	43.8	43.5	10.07	9.93	10.12
Paperboard containers and boxes	453.79	443.27	428.28	44.1	43.5	42.7	10.29	10.19	10.03
Printing and publishing	459.49	449.80	450.64	40.2	39.7	40.2	11.43	11.33	11.21
Newspapers	391.30	388.26	364.23	35.0	35.2	34.2	11.18	11.03	10.65
Commercial printing	466.47	450.58	451.61	42.1	41.3	41.7	11.08	10.91	10.83
Chemicals and allied products	562.36	567.14	565.87	42.7	42.9	43.9	13.17	13.22	12.89
Industrial inorganic chemicals	599.50	611.07	624.72	43.6	44.8	45.5	13.75	13.64	13.73
Rubber and misc. plastics products	460.78	459.46	451.44	43.8	43.8	43.2	10.52	10.49	10.45
Tires and inner tubes	653.39	666.47	651.32	44.6	45.4	45.9	14.65	14.68	14.19
Miscellaneous plastics products	453.49	442.98	432.98	44.2	43.6	42.7	10.26	10.16	10.14

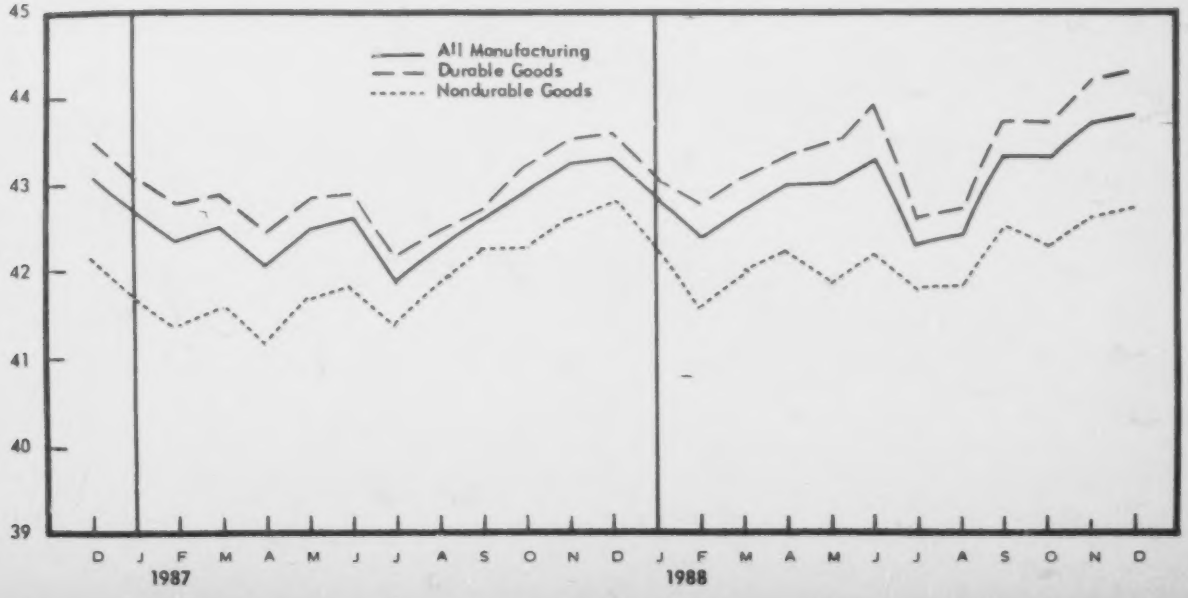
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MINING	$541.44	$552.11	$535.82	42.3	43.1	42.9	$12.80	$12.81	$12.49
Bituminous coal and lignite mining	661.57	656.26	658.60	41.4	41.3	42.6	15.98	15.89	15.46
CONSTRUCTION	585.14	604.09	574.81	38.7	39.9	38.5	15.12	15.14	14.93
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	573.24	577.10	562.78	40.8	40.9	40.9	14.05	14.11	13.76
Communication	548.97	556.54	544.05	40.1	40.3	40.3	13.69	13.81	13.50
Electric, gas, and sanitary services	601.54	602.98	586.30	41.6	41.7	41.7	14.46	14.46	14.06
WHOLESALE TRADE	401.88	397.26	385.13	39.4	39.1	39.5	10.20	10.16	9.75
Wholesale trade-durable goods	393.79	389.83	379.14	39.3	39.1	39.7	10.02	9.97	9.55
Wholesale trade-nondurable goods	414.75	410.42	396.54	39.5	39.2	39.3	10.50	10.47	10.09
RETAIL TRADE[h]	172.57	168.15	167.04	29.2	28.5	29.0	5.91	5.90	5.76
General merchandise stores	185.33	179.27	182.95	29.7	28.5	29.7	6.24	6.29	6.16
Department stores	189.53	183.61	187.41	29.8	28.6	29.7	6.36	6.42	6.31
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	268.18	265.30	261.35	....	....	....	.....	.....	.....
Credit agencies other than banks	277.16	272.27	257.91	....	....	....	.....	.....	.....
Insurance carriers	382.97	377.53	358.09	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	341.50	341.88	333.94	32.9	33.0	32.9	10.38	10.36	10.15

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



Leading Indicators

The Labor Market Information Division of the Ohio Bureau of Employment Services is pleased to announce a new monthly publication. The first issue (January 1989 data) of *Leading Indicators* will be available in early March 1989. This publication will present leading indicator indexes of the economy that have been developed for Ohio and for its eight largest metropolitan areas. Like the national composite index of leading indicators, these indexes are designed to anticipate changes in the local economy based on changes in key component indicators of economic activity.

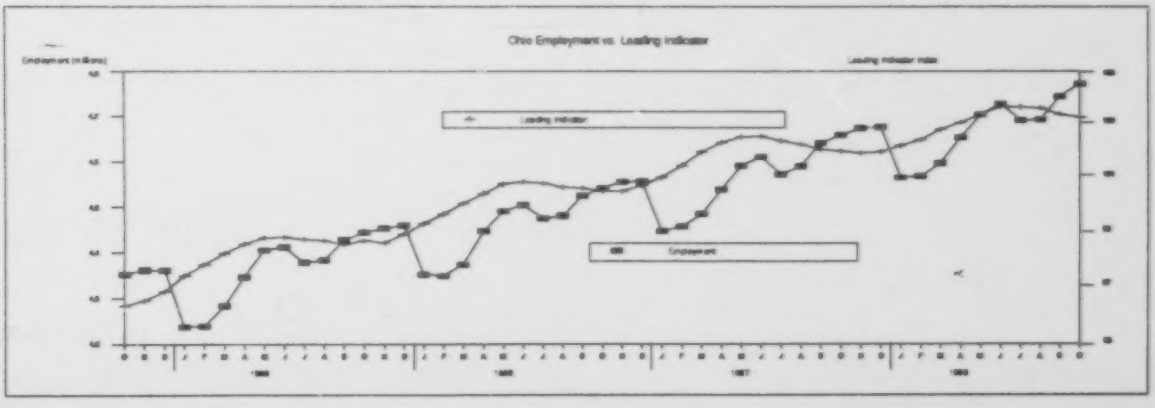
The five components chosen to form the composite index for each area were based on the following criteria:

1) economic plausibility as a leading indicator,
2) statistical ability to explain employment variation over the business cycle, and
3) timely availability of consistent monthly observations.

Five series consistently explained a large portion of employment variation and business cycle movement in each of the geographic areas. Two of these, the national composite index of leading indicators and domestic auto production, are common component indicators for each of the areas. The three remaining indicators, specific to the geographic area, are: valuation of housing authorized by building permits, initial claims for unemployment insurance, and average weekly hours in manufacturing.

At the national level, the Gross National Product is an acceptable measure of general levels of economic activity, but no reliable monthly measure of the dollar value of goods and services produced at the state level exists. The measure chosen to assess the performance of the local economy in each respective area is nonagricultural wage and salary employment. It is very important to note that, unlike the national composite index which foreshadows only business cycle turning points, these indexes also anticipate seasonal fluctuations. However, the amount of seasonal variability in the indicator has been reduced by computing a six-month moving average.

A chart comparing the relationship of the Ohio composite index to employment is shown below. In addition, a brief narrative, data, and charts on each of the components for every area will be included.

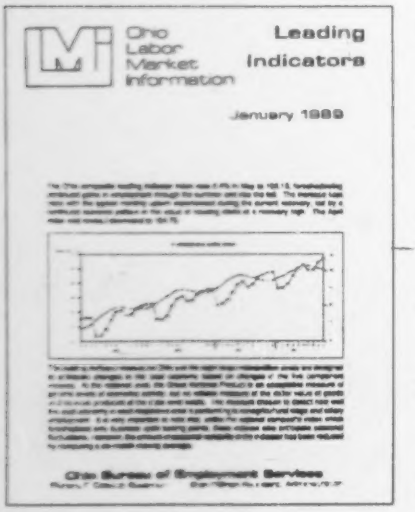


An econometric approach to determining the weight of each component was employed. The weights chosen maximize the out–of–sample ability of the index to detect changes in economic activity. It should be noted that these weights, unlike those in some other methods, are dynamic; that is, they change slowly over time as new least-squares projections are made each month. Each of the MSA and Ohio moving average composite indicators is indexed on the 1979 average employment level in the respective area.

You can receive the *Leading Indicators*, free of charge, by completing the information below, detaching (or copying), and returning to:

Ohio Bureau of Employment Services
LMI Division
Attn: Statistical Services
145 South Front Street
Columbus, OH 43215

Please add my name to the mailing list for the *Leading Indicators* publication



Name: _____

Organization: _____

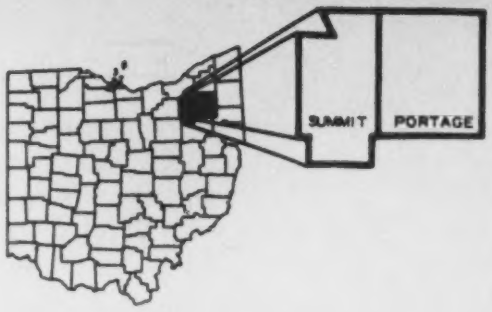
Address: _____

City: _____

State: _____

Zip Code: _____

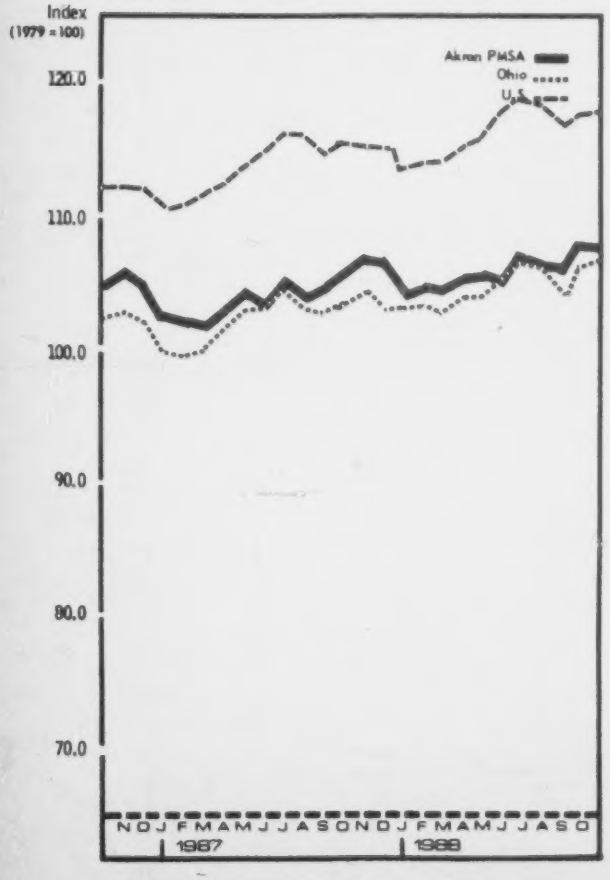
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



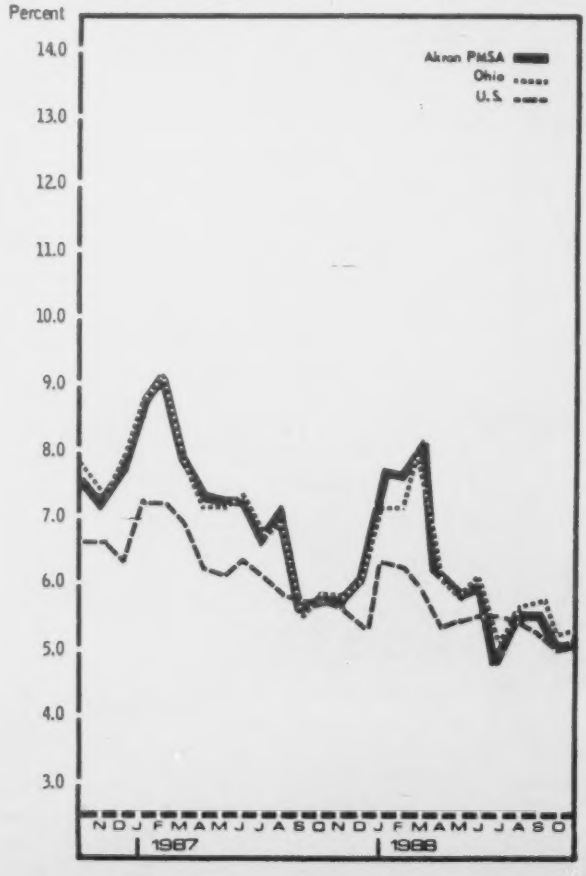
Nonfarm wage and salary employment in the Akron metropolitan area decreased 1,400 from November, to 279,200 in December 1988. The decline was concentrated in the nonmanufacturing sector due to the release of temporary election workers. More business in retail trade offset seasonal reductions in construction. Manufacturing employment increased 200, to 68,200 with some improvement in nonelectrical machinery. Factory production worker average hourly earnings, at $11.59, were little changed from November. Their average workweek of 43.2 hours was .3 hours longer.

Nonagricultural payroll employment advanced 7,300 between December 1987 and December 1988. Primary growth sectors were services, retail trade, and manufacturing. Moderate gains also occurred in wholesale trade and construction. The manufacturing workforce increased 1,200 over the year. Growth was noted in nonelectrical machinery and rubber and miscellaneous plastics products, while employment in fabricated metal products declined.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



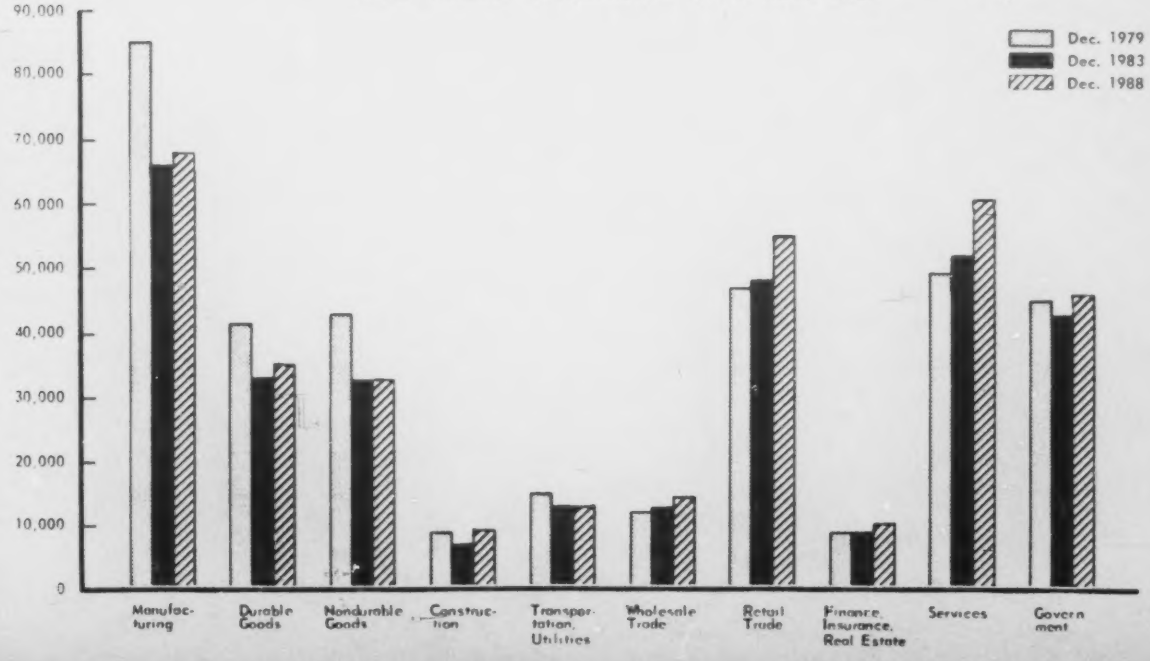
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
321.2	303.4	17.8	5.5	August	268.0	65.8	35.6	480.53	42.6	11.28
321.4	303.7	17.7	5.5	September	275.9	66.3	36.3	489.89	43.2	11.34
324.6	308.3	16.3	5.0	October	276.1	66.3	36.4	488.78	42.8	11.42
324.3	307.7	16.7	5.1	November	280.6	68.0	38.2	496.78	42.9	11.58
INA	INA	INA	INA	December	279.2	68.2	38.4	500.69	43.2	11.59

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
TOTAL	279.2	280.6	271.9	- 1.4	7.3
MANUFACTURING	68.2	68.0	67.0	.2	1.2
Durable Goods[e]	35.4	35.2	34.7	.2	.7
Fabricated metal products	11.5	11.5	11.8	.0	- .4
Machinery, except electrical	10.5	10.3	9.5	.2	1.0
Metalworking machinery	3.7	3.6	3.4	.1	.3
Nondurable Goods[f]	32.8	32.8	32.3	.0	.5
Food and kindred products	3.0	3.0	3.1	.0	- .1
Chemicals and allied products	2.9	2.9	3.1	.0	- .2
Rubber and misc. plastics products	21.1	21.2	20.7	- .1	.4
Tires and inner tubes	12.6	12.6	12.6	.0	.0
NONMANUFACTURING[g]	211.0	212.6	204.9	- 1.6	6.1
CONSTRUCTION	9.6	10.3	8.9	- .7	.7
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.2	13.1	.0	.1
Communication, electric, gas services	5.3	5.3	5.3	.0	- .1
WHOLESALE TRADE	14.9	14.9	14.1	.0	.9
RETAIL TRADE	55.2	54.5	53.8	.8	1.4
General merchandise stores	7.3	7.0	7.2	.3	.1
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.6	.0	.1
Banking	3.2	3.1	3.1	.1	.1
SERVICES	60.9	60.7	58.8	.2	2.1
Business services	12.2	12.1	11.7	.1	.5
Amusement and recreation services	3.2	3.1	3.1	.1	.1
Health services	20.7	20.6	19.8	.1	.9
GOVERNMENT	45.8	47.7	45.0	- 1.9	.7
State government	17.6	17.4	16.8	.1	.7
State government education[1]	14.6	14.5	13.9	.1	.7
State government, except education	2.9	2.9	2.9	.0	.0
Local government	25.7	27.8	25.8	- 2.1	.0
Local government education	15.2	15.2	15.0	.1	.2
Local government, except education	10.5	12.7	10.8	- 2.1	- .3

Hours & Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

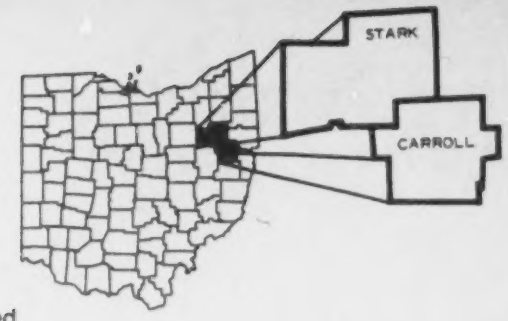
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MANUFACTURING	$500.69	$496.78	$503.88	43.2	42.9	44.2	$11.59	$11.58	$11.40
Durable Goods[e]	516.46	509.65	518.47	43.4	42.9	44.2	11.90	11.88	11.73
Fabricated metal products	630.72	629.26	623.45	43.2	43.1	44.5	14.60	14.60	14.01
Machinery, except electrical	464.21	463.65	476.53	45.6	45.5	46.4	10.18	10.19	10.27
Metalworking machinery	499.11	493.88	507.89	46.3	45.9	47.6	10.78	10.76	10.67
Nondurable Goods[f]	476.79	479.45	484.20	42.8	43.0	44.3	11.14	11.15	10.93
Food and kindred products	442.32	447.52	499.14	41.3	42.1	45.5	10.71	10.63	10.97
Chemicals and allied products	525.71	522.52	527.03	43.7	42.9	45.2	12.03	12.18	11.66
Rubber and misc. plastics products	491.00	493.00	486.20	43.8	43.9	44.2	11.21	11.23	11.00
Tires and inner tubes	766.71	764.01	752.76	48.1	47.9	49.2	15.94	15.95	15.30
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	571.84	588.47	572.93	40.7	41.5	41.1	14.05	14.18	13.94
WHOLESALE TRADE	353.28	350.49	333.38	36.8	36.7	37.5	9.60	9.55	8.89
RETAIL TRADE[h]	206.88	200.61	198.74	33.1	32.2	31.9	6.25	6.23	6.23

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	2,078	1,997	2,276
Active File of Job Seekers	14,509	15,441	16,067
Referrals to Jobs	782	928	813
Placements	128	180	258
Job Openings Received	264	443	519
Job Openings Unfilled	663	960	717
Unemployment Insurance Program			
Initial Claims	4,608	3,414	5,356
Continued Claims	24,012	19,877	30,770
First Payments	2,515	1,359	1,888
Last Payments	316	273	416
Weeks Compensated	20,584	13,815	22,733
Benefits Paid	$3,078,614	$2,028,225	$3,406,954
Average Weekly Payment	$155.52	$152.18	$153.99

CANTON
METROPOLITAN STATISTICAL AREA

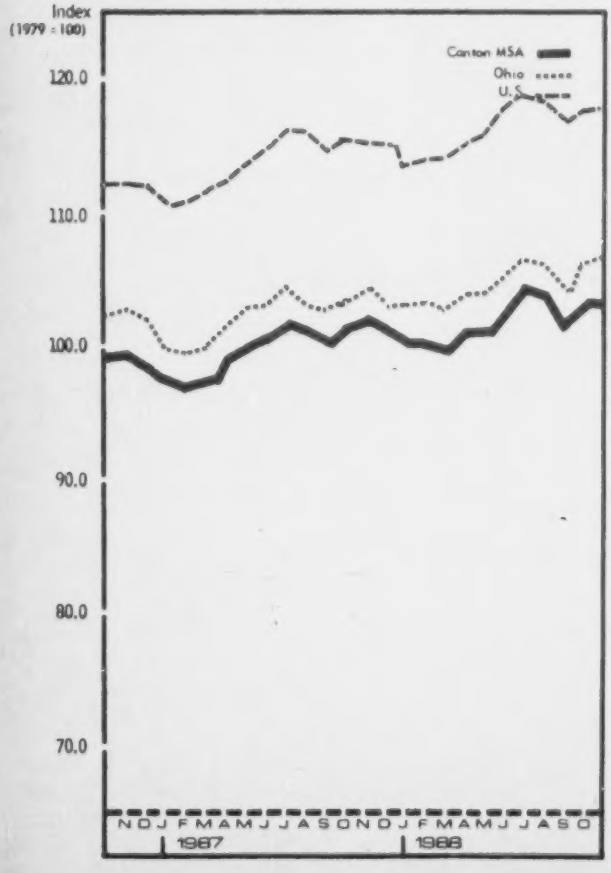


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

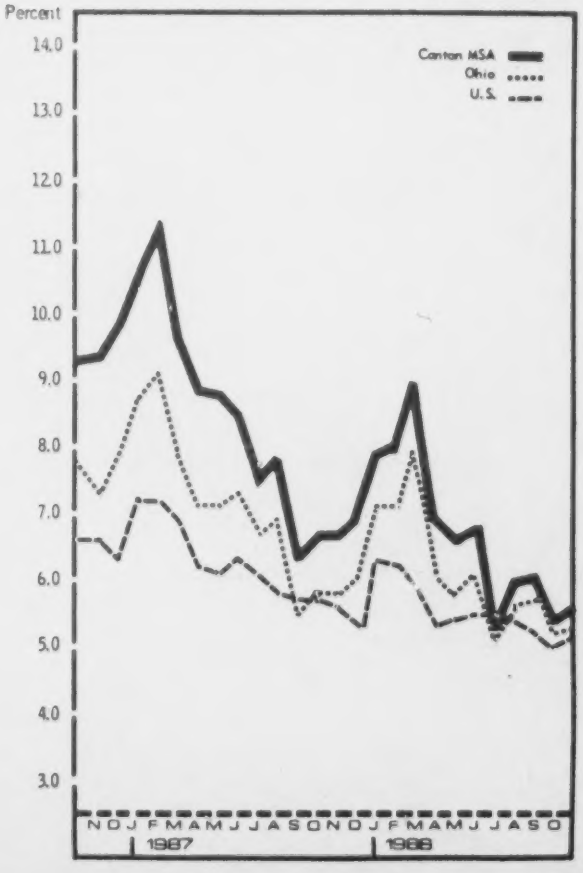
Nonagricultural payroll in the Canton metropolitan area totaled 163,200 in December 1988, down 1,100 from November. The loss of temporary election workers lowered nonmanufacturing employment 1,200. A slight increase in primary metal industries raised manufacturing employment 100, to 44,200. Factory production worker average hourly earnings, at $11.46, rose fractionally from November. Their average workweek of 42.8 hours was .1 hours shorter.

Total nonfarm wage and salary employment advanced 4,200 between December 1987 and December 1988. Expansion in nonmanufacturing industries accounted for most of the gain. Noteworthy improvements occurred in services, construction, retail trade, and transportation and public utilities. Manufacturing employment increased 400 over the year. Employment rose slightly among producers of both durable and nondurable goods. Modest growth in primary metal industries offset reductions in fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

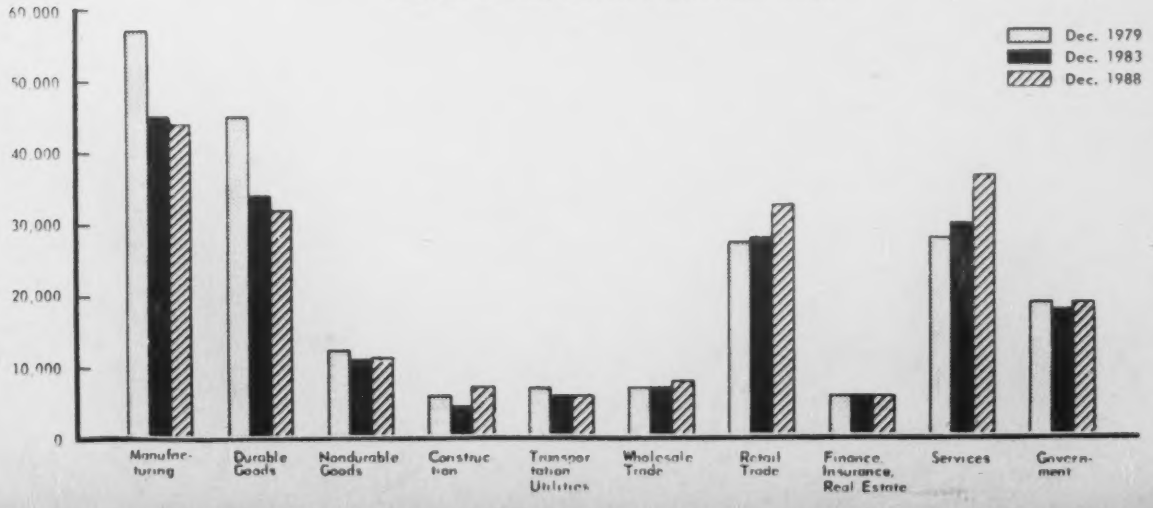


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
192.0	180.4	11.6	6.0	August	160.5	43.4	30.8	474.47	42.1	11.27
187.5	176.1	11.5	6.1	September	161.6	43.8	31.2	487.34	42.6	11.44
190.1	179.8	10.3	5.4	October	162.8	44.0	31.3	493.78	42.9	11.51
190.2	179.6	10.6	5.6	November	164.3	44.2	31.6	490.78	42.9	11.44
INA	INA	INA	INA	December	163.2	44.2	31.7	490.49	42.8	11.46

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
TOTAL	163.2	164.3	158.9	- 1.1	4.2
MANUFACTURING	44.2	44.2	43.9	.1	.4
Durable Goods[e]	32.4	32.3	32.2	.1	.2
Primary metal industries	10.9	10.9	10.6	.1	.3
Fabricated metal products	6.2	6.3	6.5	.0	- .3
Metal forgings and stampings	2.1	2.1	2.2	.0	- .1
Nondurable Goods[f]	11.8	11.9	11.7	- .1	.2
Food and kindred products	3.4	3.4	3.4	.0	.0
Rubber and misc. plastics products	3.1	3.1	3.1	.0	.0
NONMANUFACTURING[g]	118.9	120.1	115.0	- 1.2	3.9
CONSTRUCTION	7.6	7.9	6.8	- .3	.8
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.2	5.7	.0	.5
Communication, electric, gas services	2.8	2.8	2.6	.0	.3
WHOLESALE TRADE	8.3	8.3	8.2	.0	.2
Wholesale trade-durable goods	4.6	4.6	4.5	.0	.1
RETAIL TRADE	33.2	32.9	32.6	.3	.6
General merchandise stores	4.6	4.4	4.6	.2	.0
Food stores	5.5	5.4	5.2	.0	.3
FINANCE, INSURANCE, AND REAL ESTATE	6.3	6.3	6.5	.0	- .1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	36.9	37.0	35.4	- .1	1.5
Health services	15.5	15.6	15.1	- .1	.3
GOVERNMENT	19.3	20.5	18.9	- 1.2	.3
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	16.1	17.3	15.8	- 1.2	.3
Local government education	9.4	9.4	9.2	- .1	.2
Local government, except education	6.7	7.9	6.5	- 1.1	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

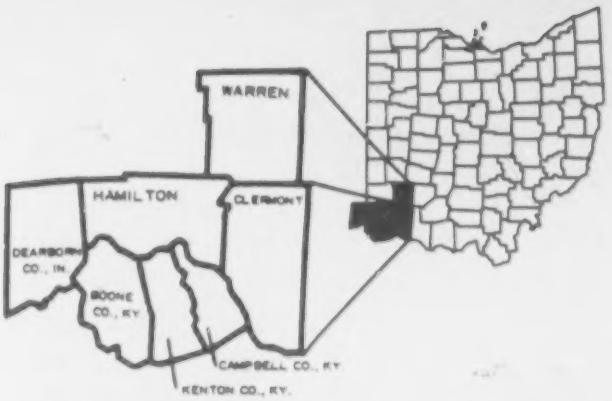
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MANUFACTURING	$490.49	$490.78	$476.44	42.8	42.9	42.2	$11.46	$11.44	$11.29
Durable Goods[e]	524.29	523.41	498.37	43.8	43.8	43.0	11.97	11.95	11.59
Primary metal industries	572.66	580.37	548.21	44.6	45.2	43.2	12.84	12.84	12.69
Fabricated metal products	505.04	486.92	442.66	43.5	42.6	42.4	11.61	11.43	10.44
Metal forgings and stampings	583.51	564.98	619.65	42.1	41.3	42.5	13.86	13.68	14.58
Nondurable Goods[f]	389.82	393.16	411.37	39.9	40.2	39.9	9.77	9.78	10.31
Food and kindred products	402.90	394.75	447.45	39.5	38.4	40.9	10.20	10.28	10.94
Rubber and misc. plastics products	391.88	398.96	433.70	40.4	41.3	40.8	9.70	9.66	10.63
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	564.57	568.17	560.60	40.5	40.7	41.1	13.94	13.96	13.64
WHOLESALE TRADE	389.88	386.43	384.38	38.0	37.3	38.4	10.26	10.36	10.01
RETAIL TRADE[h]	163.23	161.53	157.97	29.2	29.0	29.2	5.59	5.57	5.41

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	1,256	1,604	1,294
Active File of Job Seekers	10,951	12,182	10,784
Referrals to Jobs	569	823	578
Placements	101	271	209
Job Openings Received	241	581	410
Job Openings Unfilled	1,588	1,955	577
Unemployment Insurance Program			
Initial Claims	2,610	1,780	3,982
Continued Claims	12,311	10,741	14,585
First Payments	1,173	756	1,078
Last Payments	155	154	215
Weeks Compensated	10,658	7,739	12,052
Benefits Paid	$1,511,078	$1,074,472	$1,639,133
Average Weekly Payment	$146.17	$143.34	$141.33

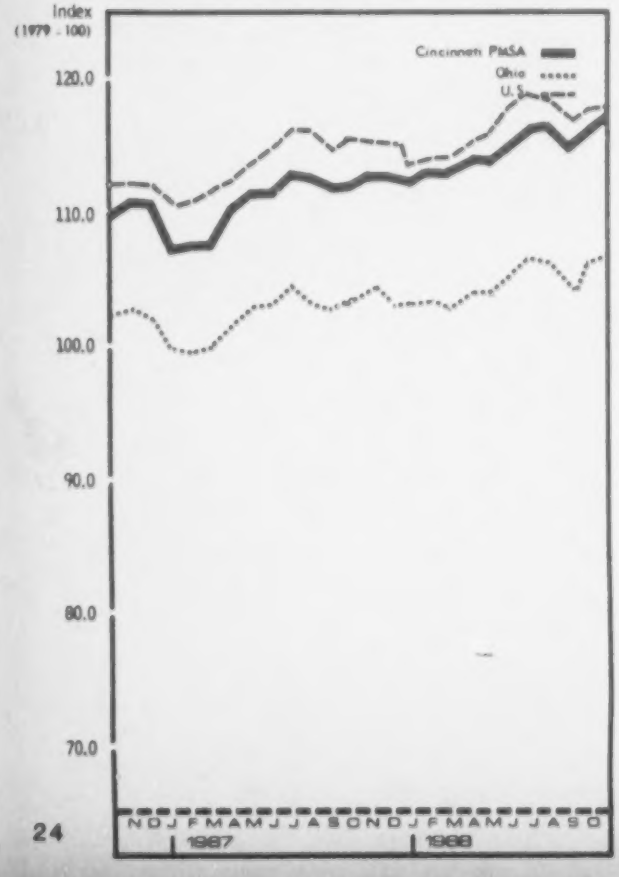
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



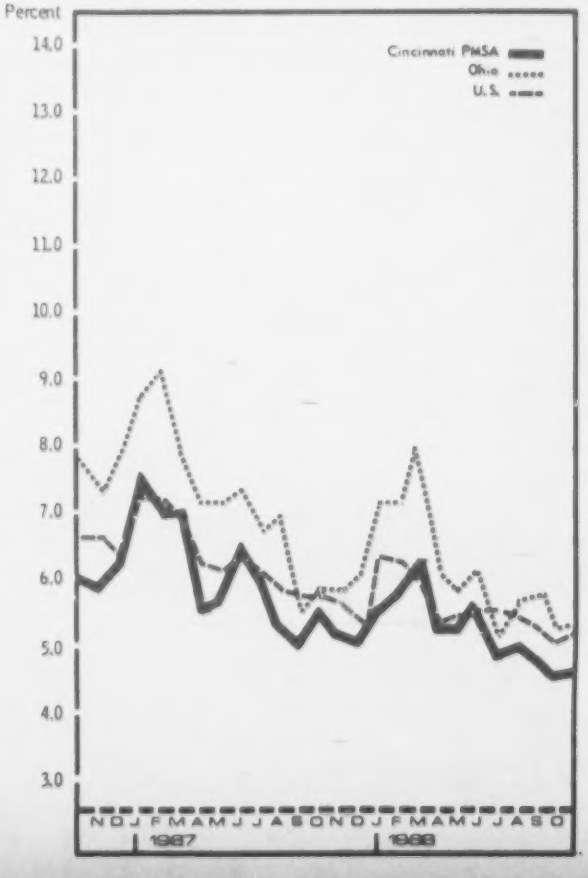
In the Cincinnati metropolitan area, nonfarm payroll employment decreased 1,900 from November, to 717,700 in December 1988. Nonmanufacturing employment declined 2,400. The release of temporary election workers and seasonal reductions in construction negated moderate gains in retail trade and services. Manufacturing industries added 500 workers over the month, to 146,400. Factory production workers averaged $11.32 per hour, little changed from November. Their average workweek was .1 hours longer at 43.2 hours.

Nonagricultural wage and salary employment advanced 22,800 between December 1987 and December 1988. The expansion was concentrated in the nonmanufacturing sector. Significant growth occurred in retail trade and business and health services. Noteworthy gains were also registered in construction, transportation and public utilities, wholesale trade, and finance, insurance, and real estate. Manufacturing employment increased 800 over the year. Modest improvements were recorded in food and kindred products, nonelectrical machinery, and electric and electronic equipment. Employment in transportation equipment declined.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

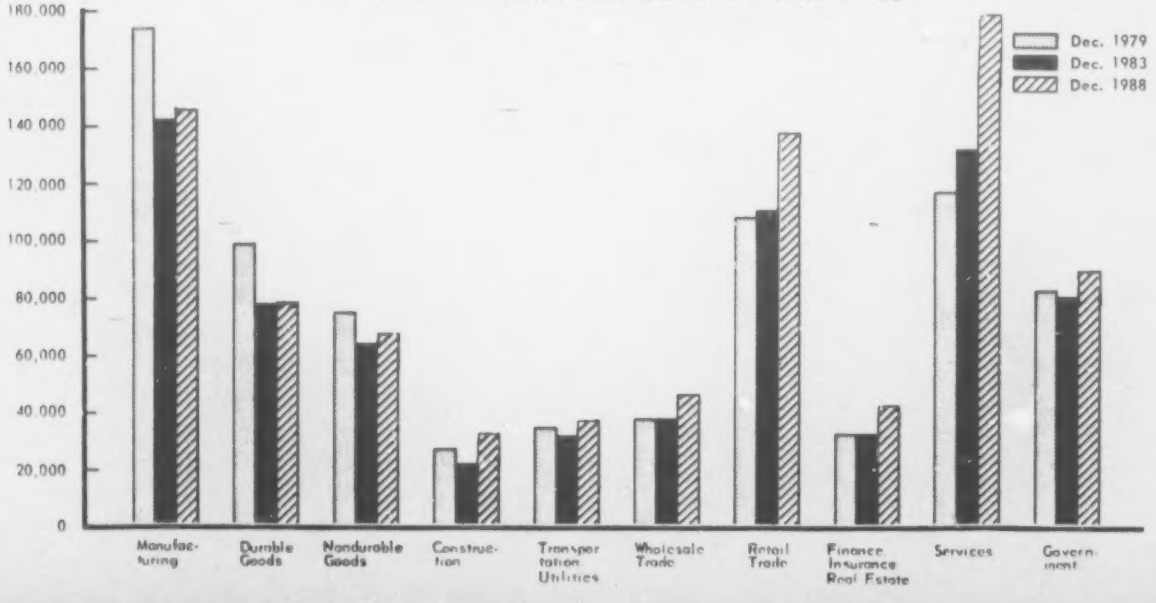


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	702.7	143.7	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	July	700.3	143.7	91.5	461.76	41.6	11.10
767.1	729.0	38.0	5.0	August	703.6	144.8	92.3	476.15	42.4	11.23
758.0	722.0	36.0	4.7	September	710.6	145.4	93.0	483.75	43.0	11.25
766.5	732.0	34.5	4.5	October	711.4	144.9	92.2	484.18	43.0	11.26
771.4	735.6	35.8	4.6	November	719.6	145.9	93.0	487.46	43.1	11.31
INA	INA	INA	INA	December	717.7	146.4	93.1	489.02	43.2	11.32

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
TOTAL	717.7	719.6	694.9	- 1.9	22.8
MANUFACTURING	146.4	145.9	145.6	.5	.8
Durable Goods[e]	78.0	77.7	77.8	.3	.2
Fabricated metal products	10.2	10.1	10.3	.1	- .1
Fabricated structural metal products	3.8	3.8	4.1	.0	- .3
Machinery, except electrical	21.0	20.9	20.6	.1	.4
Metalworking machinery	8.0	8.0	8.0	.0	- .1
General industrial machinery	3.1	3.1	3.0	.0	.1
Electric and electronic equipment	7.9	7.8	7.5	.1	.4
Transportation equipment	24.1	24.3	25.4	- .2	- 1.3
Motor vehicles and equipment	5.1	5.1	5.2	.0	- .1
Nondurable Goods[f]	68.4	68.2	67.8	.1	.5
Food and kindred products	14.1	14.1	13.4	.0	.7
Beverages	3.7	3.7	3.5	.0	.3
Apparel and other textile products	3.9	4.0	4.1	.0	- .1
Paper and allied products	6.1	6.0	6.1	.1	.0
Printing and publishing	13.5	13.5	13.3	.0	.2
Commercial printing	5.9	5.9	5.8	.0	.1
Chemicals and allied products	22.4[j]	22.2[j]	22.6	.1	- .3
Rubber and misc. plastics products	5.9	6.0	6.0	- .1	- .1
NONMANUFACTURING[g]	571.3	573.7	549.3	- 2.4	22.0
CONSTRUCTION	33.7	35.0	31.2	- 1.4	2.5
TRANSPORTATION AND PUBLIC UTILITIES	38.3	38.1	36.1	.2	2.2
Trucking and warehousing	11.3	11.2	10.2	.1	1.1
Communication, electric, gas services	15.1	15.0	15.0	.0	.1
WHOLESALE TRADE	46.8	46.5	45.1	.3	1.7
Wholesale trade-durable goods	27.7	27.6	26.5	.1	1.2
RETAIL TRADE	138.3	136.2	132.0	2.2	6.4
General merchandise stores	20.2	19.1	19.9	1.1	.3
FINANCE, INSURANCE, AND REAL ESTATE	43.1	42.8	41.3	.2	1.7
Banking	9.4	9.4	8.9	.0	.5
Insurance carriers	14.3	14.3	14.1	.0	.3
SERVICES	179.9	178.8	173.3	1.1	6.6
Hotels and other lodging places	6.7	6.8	6.4	- .1	.3
Personal services	9.0	8.9	8.6	.1	.4
Business services	45.9	45.7	41.8	.2	4.1
Amusement and recreation services	6.3	5.4	8.1	.9	- 1.8
Health services	55.7	55.4	53.6	.3	2.1
Hospitals	26.4	26.3	25.6	.2	.9
GOVERNMENT	90.7	95.7	89.8	- 5.0	.9
Federal government	15.9	15.4	15.5	.5	.5
State government	20.5	20.4	20.2	.0	.3
State government education[i]	12.6	12.6	12.5	.0	.1
State government, except education	7.9	7.8	7.7	.1	.1
Local government	54.3	59.8	54.1	- 5.5	.2
Local government education	31.2	31.4	31.8	- .2	- .6
Local government, except education	23.1	28.4	22.3	- 5.3	.8

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MANUFACTURING	$489.02	$487.46	$488.17	43.2	43.1	43.9	$11.32	$11.31	$11.12
Durable Goods[e]	495.12	493.81	492.84	43.7	43.7	44.4	11.33	11.30	11.10
Fabricated metal products	453.58	449.12	434.17	44.6	44.6	43.9	10.17	10.07	9.89
Fabricated structural metal products	510.74	494.93	445.11	46.9	45.7	44.6	10.89	10.83	9.98
Machinery, except electrical	433.75	444.87	441.53	42.4	42.9	43.5	10.23	10.37	10.15
Metalworking machinery	479.45	487.82	508.19	43.0	43.4	44.5	11.15	11.24	11.42
General industrial machinery	441.94	430.40	459.19	43.8	43.3	47.0	10.09	9.94	9.77
Electric and electronic equipment	370.53	362.71	377.04	41.4	40.8	42.7	8.95	8.89	8.83
Transportation equipment	762.55	746.70	732.30	47.6	47.2	47.8	16.02	15.82	15.32
Motor vehicles and equipment	905.22	879.43	806.22	51.2	50.6	49.1	17.68	17.38	16.42
Nondurable Goods[f]	482.94	481.81	484.16	42.7	42.6	43.5	11.31	11.31	11.13
Food and kindred products	513.42	514.92	528.47	43.4	43.6	44.9	11.83	11.81	11.77
Beverages	506.72	500.53	524.17	40.7	40.3	41.7	12.45	12.42	12.57
Apparel and other textile products	240.79	241.40	223.26	39.8	39.9	39.1	6.05	6.05	5.71
Paper and allied products	438.18	446.59	425.43	42.5	43.4	42.8	10.31	10.29	9.94
Printing and publishing	457.81	441.34	484.34	40.3	39.3	42.3	11.36	11.23	11.45
Commercial printing	497.80	464.09	509.68	43.4	41.4	43.9	11.47	11.21	11.61
Chemicals and allied products	572.45	577.58	571.12	43.4	43.2	44.0	13.19	13.37	12.98
Rubber and misc. plastics products	445.54	439.89	407.97	46.8	46.5	44.2	9.52	9.46	9.23
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	572.42	575.28	544.56	40.8	40.8	40.1	14.03	14.10	13.58
WHOLESALE TRADE	413.65	419.83	389.78	41.2	41.2	40.9	10.04	10.19	9.53
RETAIL TRADE[h]	171.40	167.90	168.40	29.5	28.8	29.7	5.81	5.83	5.67
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	262.72	262.11	258.93	....	....	....	.....	.....	.....

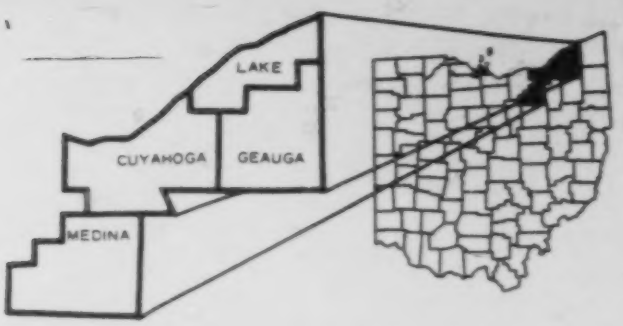
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	2,528	2,854	3,063
Active File of Job Seekers	17,360	20,117	21,328
Referrals to Jobs	1,374	1,758	2,155
Placements	305	377	714
Job Openings Received	522	1,000	1,060
Job Openings Unfilled	1,667	2,794	1,813
Unemployment Insurance Program			
Initial Claims	4,914	3,860	6,719
Continued Claims	30,596	29,853	49,031
First Payments	2,485	2,022	2,419
Last Payments	515	540	450
Weeks Compensated	26,292	20,724	35,862
Benefits Paid	$3,912,244	$3,071,802	$5,733,261
Average Weekly Payment	$152.80	$151.31	$163.15

[a]Ohio data only

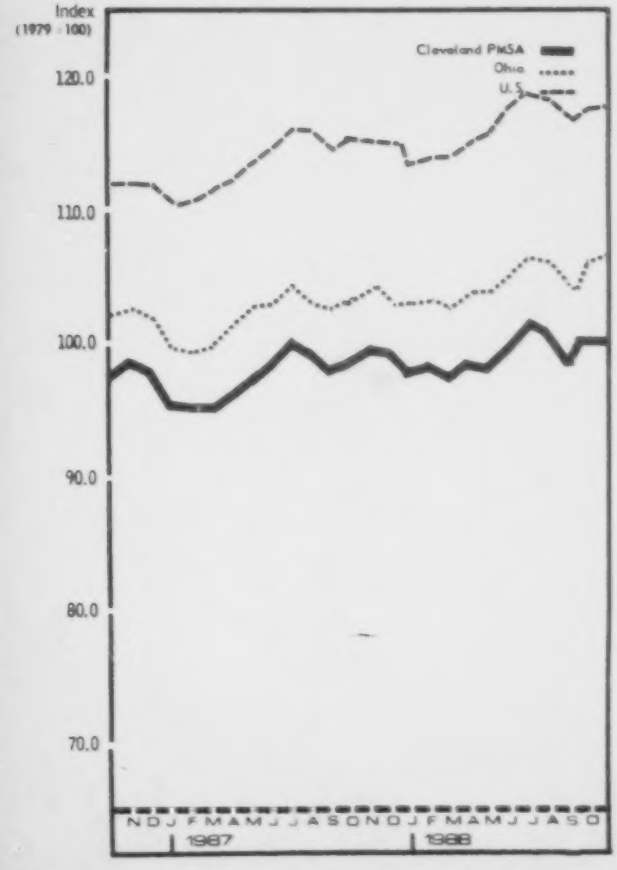
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



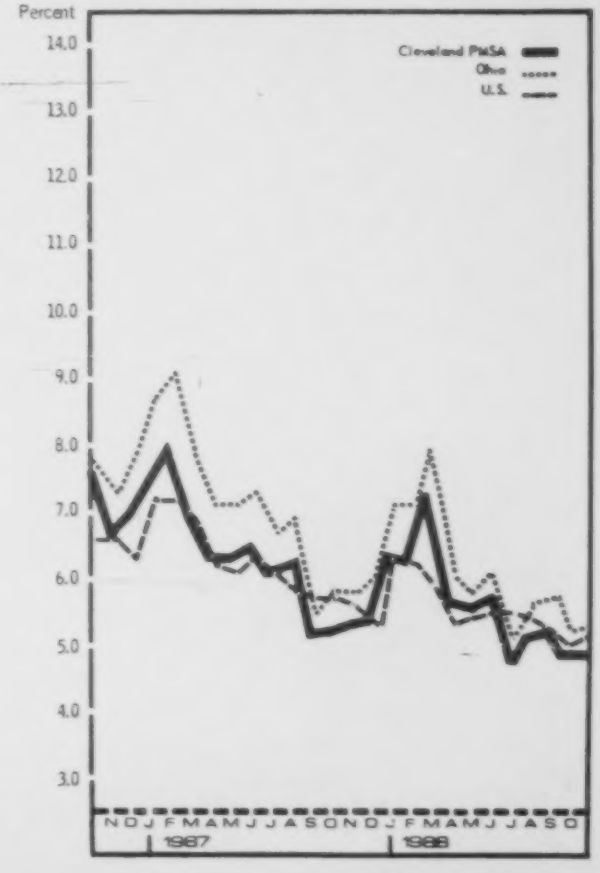
Nonagricultural payroll employment in the Cleveland metropolitan area totaled 931,400 in December 1988, down 2,300 from November. The nonmanufacturing sector declined 3,300. Seasonal gains in retail trade were more than offset by the loss of temporary election workers and reductions in construction. Manufacturing employment rose 1,000 over the month, to 207,000. Printing and publishing, chemicals and allied products, and nonelectrical machinery registered modest increases. Factory production workers averaged $12.15 per hour, up $.12 from November. Their average workweek was .5 hours longer at 44.4 hours.

Nonfarm wage and salary employment advanced 21,200 between December 1987 and December 1988. Significant expansion occurred in services (+9,000) and retail trade (+5,500). Noteworthy growth was also recorded in finance, insurance, and real estate and wholesale trade. Improvements in nonelectrical machinery, chemicals and allied products, transportation equipment, and rubber and miscellaneous plastics products contributed to the gain of 3,700 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

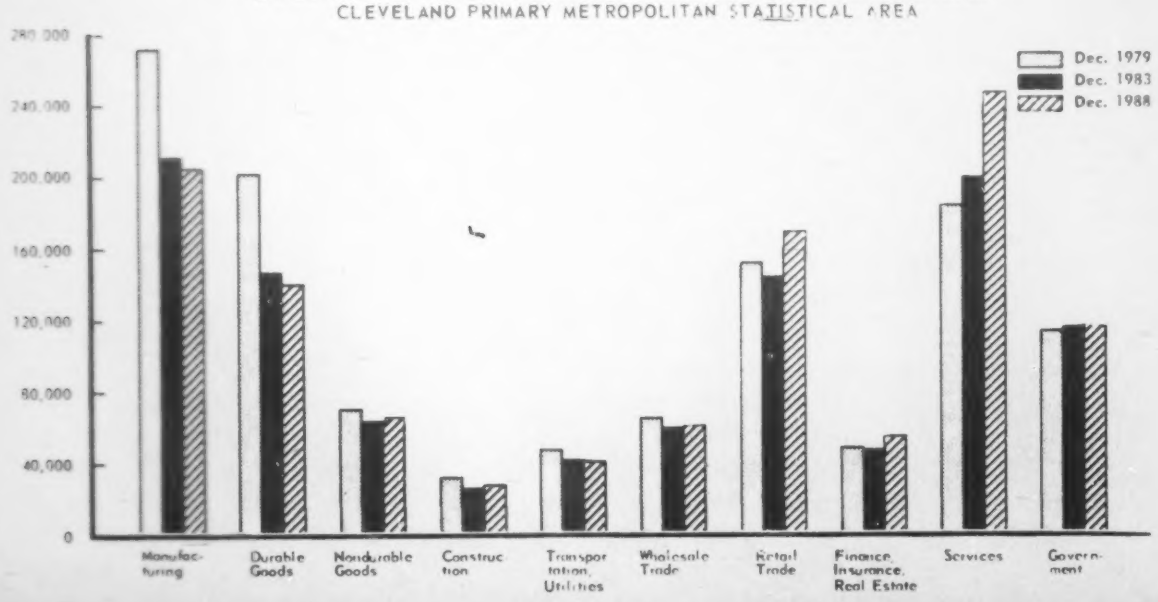


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
939.2	885.8	53.5	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
947.1	902.6	44.5	4.7	July	918.7	202.4	129.6	499.16	42.7	11.69
943.7	895.4	48.3	5.1	August	914.8	202.4	129.7	503.43	42.7	11.79
922.0	874.3	47.7	5.2	September	918.9	204.3	131.6	514.51	43.2	11.91
936.4	891.6	44.8	4.8	October	924.6	205.3	132.5	517.76	43.4	11.93
937.0	891.6	45.4	4.8	November	933.7	206.1	133.6	528.12	43.9	12.03
INA	INA	INA	INA	December	931.4	207.0	134.4	539.46	44.4	12.15

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
TOTAL	931.4	933.7	910.2	- 2.3	21.2
MANUFACTURING	207.0	206.1	203.3	1.0	3.7
Durable Goods[e]	140.6	140.3	138.3	.4	2.3
Primary metal industries	21.4	21.3	21.2	.1	.2
Iron and steel foundries	5.2	5.1	5.3	.1	- .2
Fabricated metal products	33.6	33.5	33.3	.1	.3
Fabricated structural metal products	4.3	4.4	4.3	.0	.0
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	11.9	11.8	11.7	.1	.3
Machinery, except electrical	30.2	30.1	29.2	.2	1.1
Construction and related machinery	2.7	2.6	2.6	.1	.0
Metalworking machinery	9.9	9.9	9.6	.0	.3
Special industry machinery	2.7	2.7	2.8	.0	- .1
General industrial machinery	3.2	3.2	3.0	.0	.2
Electric and electronic equipment	18.0	18.1	18.0	- .1	.0
Electrical industrial apparatus	6.5	6.6	6.2	- .1	.3
Transportation equipment	19.8	19.7	19.3	.1	.5
Motor vehicles and equipment	12.8	12.6	12.2	.2	.5
Instruments and related products	6.3	6.3	6.5	.0	- .2
Measuring and controlling devices	4.1	4.1	4.2	.0	- .1
Nondurable Goods[f]	66.4	65.8	65.0	.6	1.4
Food and kindred products	7.1	7.0	7.2	.1	- .1
Apparel and other textile products	4.1	4.1	3.9	.0	.2
Paper and allied products	5.7	5.6	5.8	.1	- .1
Printing and publishing	16.4	16.2	16.2	.3	.2
Chemicals and allied products	15.4	15.2	14.8	.2	.6
Rubber and misc. plastics products	12.7	12.6	12.2	.1	.5
NONMANUFACTURING[g]	724.4	727.7	706.9	- 3.3	17.4
CONSTRUCTION	29.5	31.2	28.7	- 1.7	.8
TRANSPORTATION AND PUBLIC UTILITIES	41.9	41.7	41.6	.2	.3
Trucking and warehousing	12.9	12.7	12.5	.3	.4
Communication, electric, gas services	17.5	17.5	17.7	.0	- .2
WHOLESALE TRADE	62.0	61.7	60.9	.3	1.0
Wholesale trade-durable goods	42.4	42.3	42.0	.1	.4
RETAIL TRADE	168.7	164.7	163.1	3.9	5.5
General merchandise stores	24.2	23.1	23.7	1.2	.6
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.3	55.1	.2	2.3
Banking	13.5	13.5	13.4	.0	.1
Credit agencies other than banks	8.8	8.7	8.7	.1	.1
Insurance carriers	14.7	14.6	13.8	.0	.9
SERVICES	246.3	246.3	237.3	.0	9.0
Business services	57.7	57.3	54.6	.3	3.0
Amusement and recreation services	6.8	7.2	6.9	- .3	- .1
Health services	77.4	77.2	75.8	.1	1.5
Hospitals	42.8	42.6	43.1	.2	- .3
GOVERNMENT	117.5	123.6	119.0	- 6.2	- 1.5
Federal government	21.0	20.6	20.9	.4	.1
State government	8.4	8.1	8.4	.4	.0
State government education[1]	3.4	3.1	3.4	.3	- .1
State government, except education	5.1	5.0	5.0	.1	.1
Local government	88.0	95.0	89.6	- 6.9	- 1.6
Local government education	44.6	45.0	46.1	- .5	- 1.6
Local government, except education	43.5	50.0	43.5	- 6.5	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

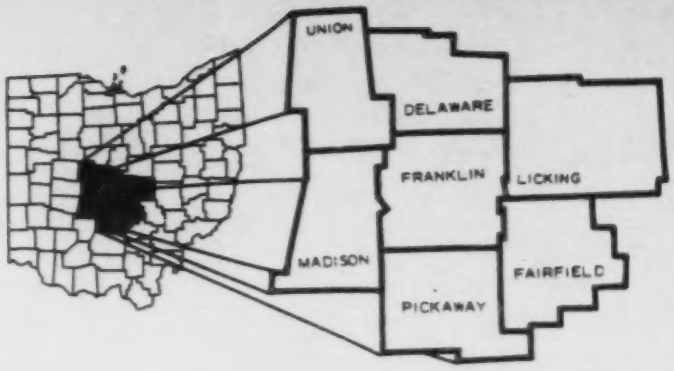
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MANUFACTURING	$539.46	$528.12	$513.04	44.4	43.9	44.0	$12.15	$12.03	$11.66
Durable Goods[e]	581.40	569.97	550.80	45.6	45.2	45.0	12.75	12.61	12.24
Primary metal industries	627.49	603.01	588.94	47.9	47.0	46.3	13.10	12.83	12.72
Iron and steel foundries	996.74	933.34	767.45	54.2	52.2	45.6	18.39	17.88	16.83
Fabricated metal products	591.56	571.87	569.48	46.0	45.1	46.0	12.86	12.68	12.38
Fabricated structural metal products	438.77	421.60	409.49	43.4	42.5	41.7	10.11	9.92	9.82
Screw machine products, bolts, etc.	590.24	566.41	555.12	47.6	46.2	49.3	12.40	12.26	11.26
Metal forgings and stampings	757.29	738.51	724.59	48.7	48.3	48.5	15.55	15.29	14.94
Machinery, except electrical	544.00	545.22	501.56	44.7	44.8	43.5	12.17	12.17	11.53
Construction and related machinery	408.83	394.40	461.65	43.4	42.5	48.8	9.42	9.28	9.46
Metalworking machinery	489.47	487.21	444.64	42.6	42.7	41.4	11.49	11.41	10.74
Special industry machinery	508.52	478.08	498.80	43.8	41.5	40.0	11.61	11.52	12.47
General industrial machinery	524.25	527.52	515.97	46.6	47.1	45.3	11.25	11.20	11.39
Electric and electronic equipment	453.60	453.60	462.60	41.5	41.5	43.6	10.93	10.93	10.61
Electrical industrial apparatus	517.88	511.43	477.99	44.0	43.6	42.3	11.77	11.73	11.30
Transportation equipment	774.89	760.50	722.61	48.1	47.8	46.3	16.11	15.91	15.54
Motor vehicles and equipment	860.93	845.70	786.61	49.0	48.8	46.6	17.57	17.33	16.88
Instruments and related products	421.31	418.47	430.65	42.3	42.1	43.5	9.96	9.94	9.90
Measuring and controlling devices	465.48	457.10	453.79	43.3	42.6	44.1	10.75	10.73	10.29
Nondurable Goods[f]	439.30	428.22	421.41	41.6	40.9	41.6	10.56	10.47	10.13
Food and kindred products	453.88	421.87	378.21	43.6	41.4	42.4	10.41	10.19	8.92
Apparel and other textile products	336.20	329.16	331.14	39.6	39.0	39.8	8.49	8.44	8.32
Paper and allied products	481.50	478.26	487.03	42.2	42.1	43.1	11.41	11.36	11.30
Printing and publishing	422.35	400.00	404.80	38.5	36.9	38.7	10.97	10.84	10.46
Chemicals and allied products	528.18	530.96	523.20	43.4	43.7	43.6	12.17	12.15	12.00
Rubber and misc. plastics products	388.20	390.76	385.71	42.8	42.8	43.0	9.07	9.13	8.97
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	597.14	612.13	584.22	40.9	41.5	41.2	14.60	14.75	14.18
WHOLESALE TRADE	436.39	429.66	406.06	39.6	39.6	39.5	11.02	10.85	10.28
RETAIL TRADE[h]	192.38	186.09	183.10	28.8	27.9	28.3	6.68	6.67	6.47
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	306.70	297.21	299.30	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	346.16	345.07	341.15	31.7	31.6	31.5	10.92	10.92	10.83

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	4,092	4,297	4,928
Active File of Job Seekers	53,156	54,051	59,036
Referrals to Jobs	1,380	1,859	1,468
Placements	363	359	335
Job Openings Received	917	942	926
Job Openings Unfilled	3,240	3,582	2,336
Unemployment Insurance Program			
Initial Claims	10,108	7,125	11,059
Continued Claims	54,538	46,202	73,669
First Payments	4,910	3,022	4,212
Last Payments	808	842	959
Weeks Compensated	44,866	33,530	52,695
Benefits Paid	$6,833,160	$5,103,578	$7,728,878
Average Weekly Payment	$157.12	$155.74	$149.48

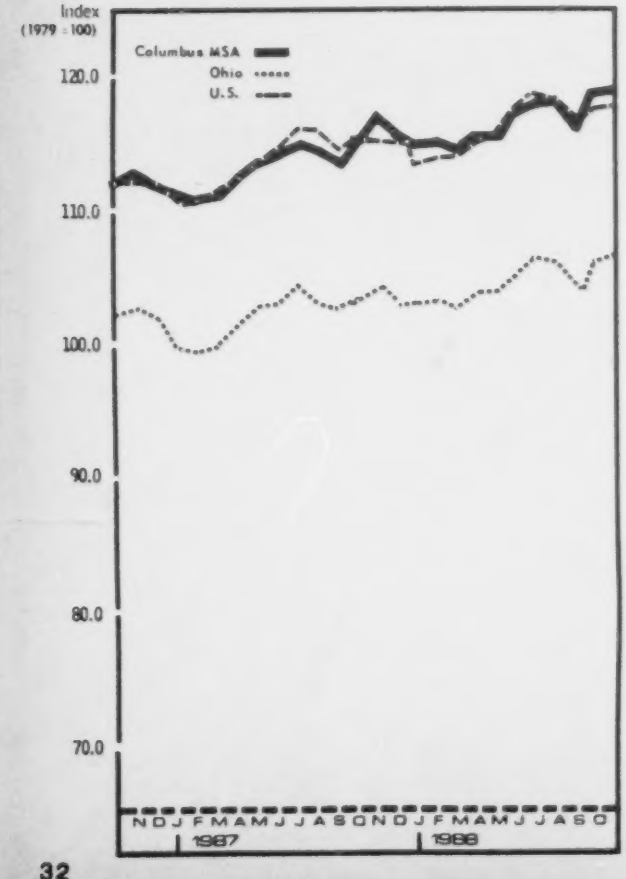
COLUMBUS
METROPOLITAN STATISTICAL AREA



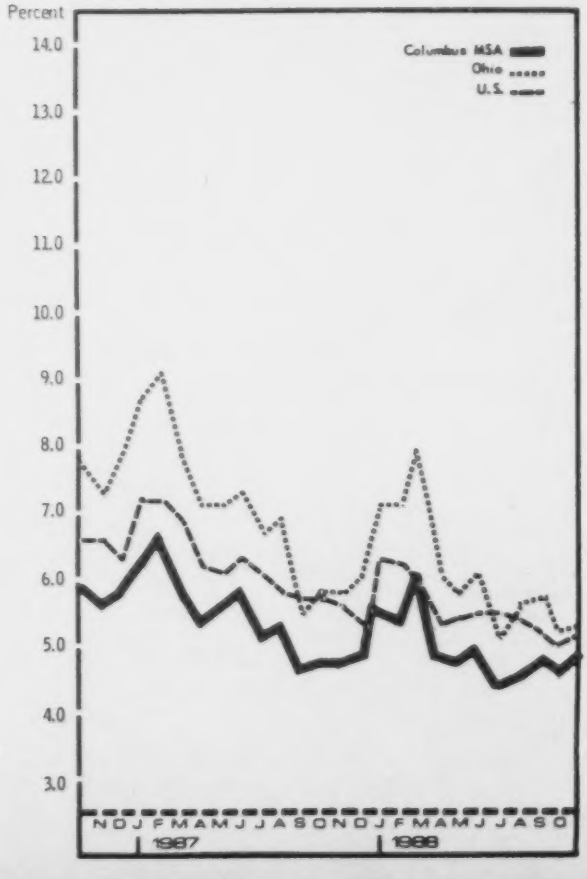
Nonfarm wage and salary employment in the Columbus metropolitan area decreased 1,300 from November, to 701,400 in December 1988. Nonmanufacturing employment declined 1,600. The loss of temporary election workers and reductions in construction outweighed seasonal gains in retail trade. More business in transportation equipment and scattered improvements in nondurable goods increased manufacturing employment 300, to 104,700. Factory production worker average hourly earnings, at $11.72, increased $.04 from November. Their average workweek was .1 hours shorter at 42.0 hours.

Nonagricultural payroll employment advanced 25,000 between December 1987 and December 1988. The improvement was concentrated in the nonmanufacturing sector. Significant expansion occurred in services and retail trade. Gains were also noted in government, construction, wholesale trade, and finance, insurance, and real estate. Manufacturing industries added 2,400 jobs over the year with growth in transportation equipment, rubber and miscellaneous plastics products, fabricated metal products, and printing and publishing.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

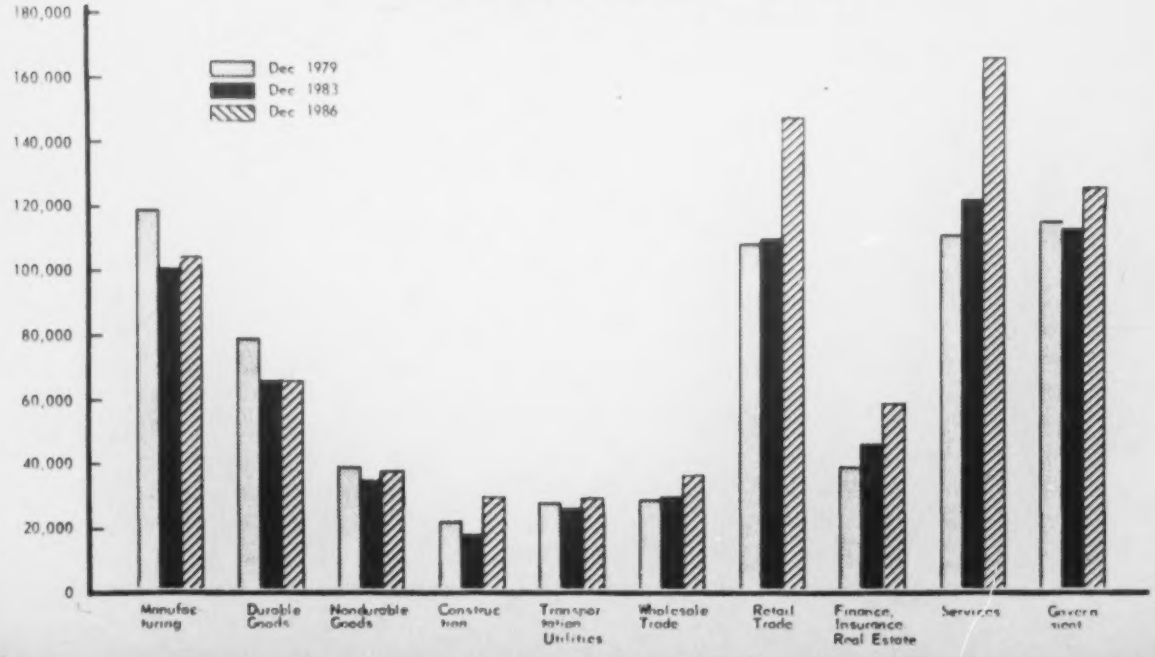


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed				Manufacturing Production Workers				
		Total	Rate				Hours and Earnings			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
713.2	682.7	30.4	4.3	July	678.4	102.9	67.0	475.45	41.2	11.54
714.3	682.1	32.2	4.5	August	680.0	103.2	67.3	471.65	40.8	11.56
701.7	669.0	32.7	4.7	September	686.7	104.2	67.9	481.48	41.4	11.63
718.0	685.8	32.2	4.5	October	694.7	104.2	67.8	486.22	41.7	11.66
722.5	688.1	34.3	4.8	November	702.7	104.4	67.9	489.39	41.9	11.68
INA	INA	INA	INA	December	701.4	104.7	68.0	492.24	42.0	11.72

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
TOTAL	701.4	702.7	676.4	- 1.3	25.0
MANUFACTURING	104.7	104.4	102.3	.3	2.4
Durable Goods[e]	66.1	66.0	64.5	.1	1.6
Stone, clay, and glass products	10.0	10.2	10.3	- .2	- .3
Glass and glassware, pressed or blown.	3.7	3.8	3.8	- .2	- .2
Fabricated metal products	9.9	9.8	9.5	.0	.4
Fabricated structural metal products	2.9	2.9	2.8	.0	.1
Machinery, except electrical	9.1	9.2	9.2	.0	.0
Electric and electronic equipment	10.8	10.9	11.0	- .1	- .2
Transportation equipment	13.7	13.5	12.6	.2	1.1
Instruments and related products	4.2	4.1	4.1	.1	.1
Nondurable Goods[f]	38.7	38.5	37.9	.2	.8
Food and kindred products	10.6	10.6	10.5	.1	.1
Printing and publishing	10.7	10.7	10.4	.0	.3
Chemicals and allied products	6.6	6.7	6.7	.0	- .1
Rubber and misc. plastics products	6.0	5.9	5.4	.1	.5
NONMANUFACTURING[g]	596.7	598.3	574.0	- 1.6	22.6
CONSTRUCTION	30.3	31.4	28.2	- 1.1	2.2
TRANSPORTATION AND PUBLIC UTILITIES	29.6	29.3	28.8	.3	.8
Trucking and warehousing	12.8	12.5	12.3	.4	.5
Communication, electric, gas services	11.6	11.7	11.7	.0	- .1
WHOLESALE TRADE	36.6	36.4	34.8	.2	1.8
Wholesale trade-durable goods	23.5	23.4	22.5	.1	.9
RETAIL TRADE	147.1	144.2	141.1	2.9	6.0
General merchandise stores	24.7	23.6	25.3	1.1	- .6
FINANCE, INSURANCE, AND REAL ESTATE	59.7	59.7	58.3	.0	1.4
Banking	12.2	12.2	11.9	.1	.3
Insurance carriers	23.6	23.6	23.0	.0	.6
SERVICES	166.2	166.6	158.3	- .4	7.9
Business services	39.7	39.4	36.7	.3	3.0
Health services	42.0	41.9	40.3	.1	1.7
Hospitals	18.5	18.6	17.8	.0	.7
GOVERNMENT	126.1	129.6	123.5	- 3.5	2.5
Federal government	15.1	15.0	15.7	.1	- .6
State government	57.0	55.8	55.5	1.2	1.5
State government education[1]	25.4	24.4	24.9	1.1	.5
State government, except education	31.6	31.4	30.6	.2	1.0
Local government	54.0	58.8	52.4	- 4.8	1.6
Local government education	33.2	33.2	31.6	.0	1.6
Local government, except education	20.8	25.7	20.7	- 4.9	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

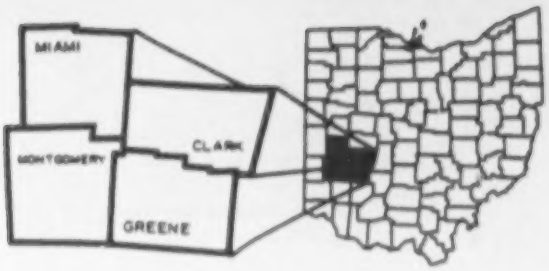
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MANUFACTURING	$492.24	$489.39	$475.57	42.0	41.9	41.9	$11.72	$11.68	$11.35
Durable Goods[e]	496.58	492.13	481.12	41.8	41.6	41.8	11.88	11.83	11.51
Stone, clay, and glass products	472.46	482.98	473.85	40.8	41.6	40.5	11.58	11.61	11.70
Glass and glassware, pressed or blown.	420.90	444.96	428.41	39.3	41.2	38.7	10.71	10.80	11.07
Fabricated metal products	530.03	531.30	517.02	42.2	42.2	42.0	12.56	12.59	12.31
Fabricated structural metal products	456.50	460.62	483.56	41.5	41.2	44.0	11.00	11.18	10.99
Machinery, except electrical	496.51	457.71	455.57	43.9	41.8	43.1	11.31	10.95	10.57
Electric and electronic equipment	454.80	450.72	444.11	40.0	40.1	40.3	11.37	11.24	11.02
Transportation equipment	581.52	576.42	589.58	42.2	41.8	43.9	13.78	13.79	13.43
Instruments and related products	411.18	410.27	410.00	38.5	38.2	40.0	10.68	10.74	10.25
Nondurable Goods[f]	483.78	484.36	464.36	42.4	42.6	42.1	11.41	11.37	11.03
Food and kindred products	460.96	458.17	457.80	42.8	42.7	42.0	10.77	10.73	10.90
Printing and publishing	584.25	575.51	556.00	41.0	40.5	41.4	14.25	14.21	13.43
Chemicals and allied products	601.04	599.62	555.13	44.0	43.8	43.1	13.66	13.69	12.88
Rubber and misc. plastics products	355.63	372.81	352.79	41.4	43.0	42.2	8.59	8.67	8.36
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	573.87	585.45	582.08	40.7	41.2	41.4	14.10	14.21	14.06
WHOLESALE TRADE	369.31	358.15	346.63	37.8	37.7	37.8	9.77	9.50	9.17
RETAIL TRADE[h]	192.57	187.20	193.15	29.4	28.8	29.9	6.55	6.50	6.46
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	269.05	271.13	253.60	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	351.15	350.48	337.76	33.7	33.7	34.5	10.42	10.40	9.79

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	5,057	4,576	4,516
Active File of Job Seekers	26,829	28,286	30,880
Referrals to Jobs	1,483	2,005	1,845
Placements	562	634	578
Job Openings Received	891	1,106	1,080
Job Openings Unfilled	1,640	1,943	1,997
Unemployment Insurance Program			
Initial Claims	6,009	4,760	7,364
Continued Claims	36,959	34,731	47,664
First Payments	3,258	2,529	2,835
Last Payments	481	500	584
Weeks Compensated	31,714	25,377	36,977
Benefits Paid	$4,970,309	$3,979,109	$5,811,787
Average Weekly Payment	$162.38	$161.21	$160.41

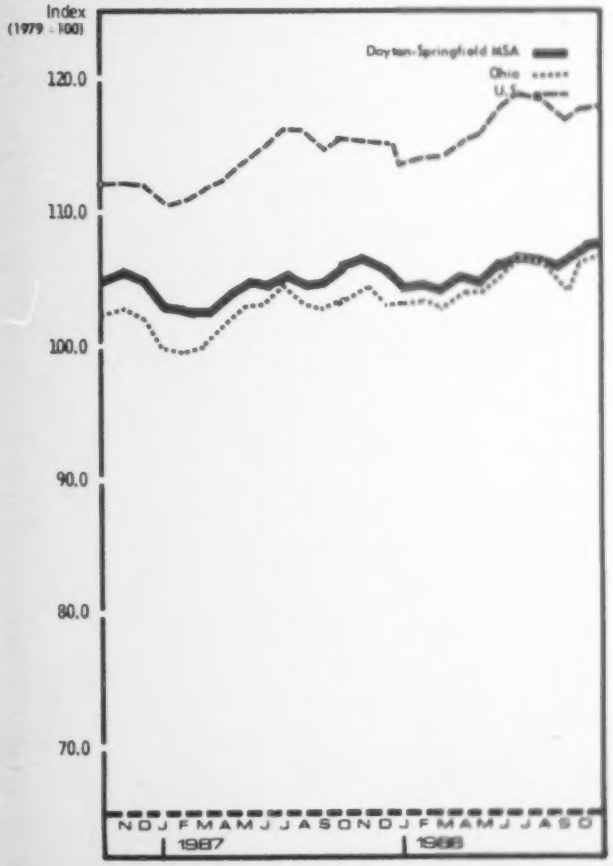
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



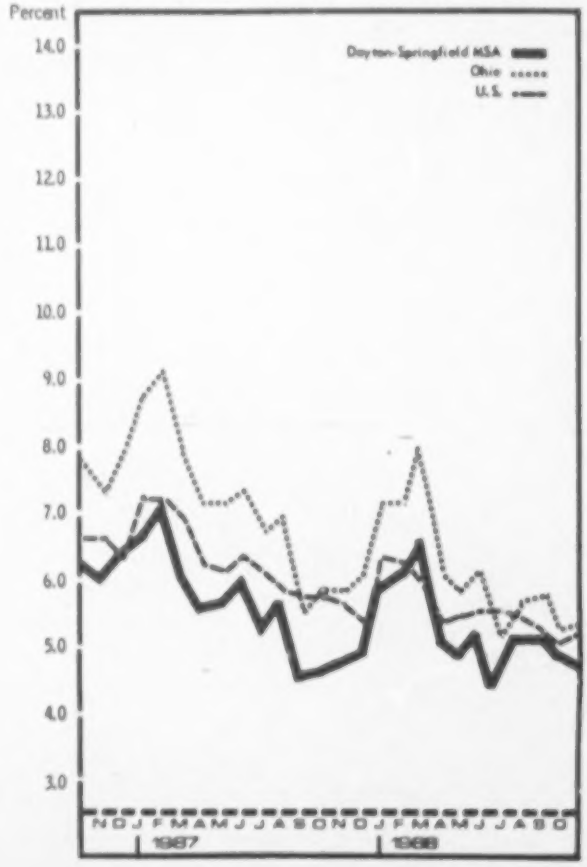
In the Dayton-Springfield metropolitan area, nonfarm payroll employment totaled 449,200 in December 1988, down 2,100 from November. The decline was concentrated in the nonmanufacturing sector. The loss of temporary election workers and less business in construction more than offset seasonal gains in retail trade. Manufacturing employment increased 100, to 104,000. Factory production worker average hourly earnings, at $12.96, dropped $.06 from November. Their average workweek of 44.7 hours was .1 hours longer.

Nonagricultural wage and salary employment advanced 13,300 between December 1987 and December 1988. Primary growth industries were services, retail trade, and construction. The manufacturing workforce rose 800 with marked expansion in nonelectrical machinery. Employment in printing and publishing and rubber and miscellaneous plastics products declined.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

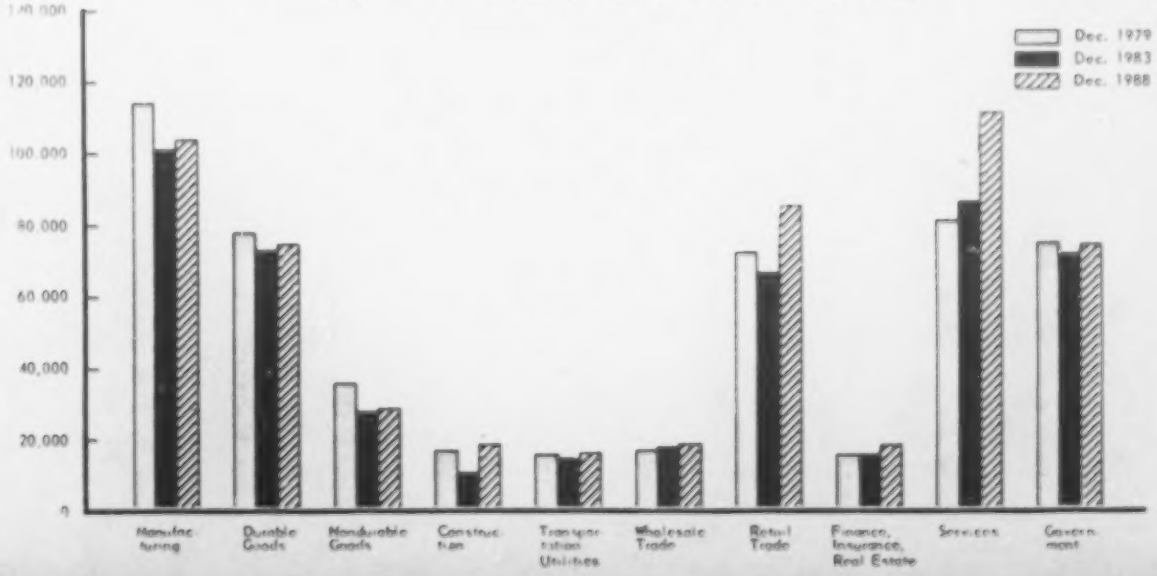


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
466.3	445.5	20.7	4.4	July	433.7	103.4	66.0	525.34	42.4	12.39
468.2	444.5	23.8	5.1	August	434.0	102.9	65.5	522.44	42.2	12.38
465.3	441.4	23.9	5.1	September	443.8	104.0	66.9	552.41	43.6	12.67
472.2	449.5	22.7	4.8	October	445.9	103.4	66.5	573.69	44.3	12.95
472.7	450.7	22.1	4.7	November	451.3	103.9	67.0	580.69	44.6	13.02
INA	INA	INA	INA	December	449.2	104.0	67.1	579.31	44.7	12.96

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
TOTAL	449.2	451.3	435.9	- 2.1	13.3
MANUFACTURING	104.0	103.9	103.2	.1	.8
Durable Goods[e]	75.2	75.1	74.0	.1	1.2
Fabricated metal products	8.3	8.2	8.3	.1	.0
Machinery, except electrical	31.2	31.2	30.3	.0	.9
Metalworking machinery	6.7	6.6	6.6	.1	.1
General industrial machinery	2.9	2.9	2.7	.0	.1
Electric and electronic equipment	5.7	5.7	5.7	.0	- .1
Electrical industrial apparatus	3.4	3.4	3.4	.0	.0
Transportation equipment	20.3	20.2	20.4	.1	- .1
Nondurable Goods[f]	28.8	28.8	29.2	.0	- .4
Food and kindred products	2.9	2.8	2.8	.1	.1
Paper and allied products	6.0	6.0	6.0	.0	.0
Printing and publishing	8.6	8.6	8.7	- .1	- .2
Rubber and misc. plastics products	7.8	7.7	8.0	.0	- .2
NONMANUFACTURING[g]	345.2	347.4	332.7	- 2.2	12.5
CONSTRUCTION	19.0	19.7	17.0	- .8	2.0
TRANSPORTATION AND PUBLIC UTILITIES	16.0	15.9	15.4	.1	.6
Communication, electric, gas services	5.0	5.1	5.4	.0	- .3
WHOLESALE TRADE	19.6	19.5	18.9	.1	.8
Wholesale trade-durable goods	12.8	12.8	12.5	.1	.3
RETAIL TRADE	85.7	84.2	82.4	1.6	3.3
General merchandise stores	13.7	13.0	13.9	.7	- .2
FINANCE, INSURANCE, AND REAL ESTATE	18.4	18.3	17.8	.1	.6
Banking	4.2	4.2	4.2	.0	- .1
Credit agencies other than banks	4.7	4.7	4.7	.1	.0
Insurance carriers	2.8	2.8	2.8	.0	.0
SERVICES	111.4	111.5	106.3	.0	5.2
Business services	28.4	28.3	26.4	.0	2.0
Health services	36.9	36.9	36.2	.0	.7
Hospitals	18.7	18.7	18.6	.0	.1
Educational services	8.7	9.0	7.9	- .2	.8
GOVERNMENT	74.7	77.8	74.5	- 3.2	.1
Federal government	28.0	28.0	28.5	.1	- .4
State government	7.4	7.4	7.3	.0	.1
State government education[i]	4.6	4.5	4.5	.0	.1
State government, except education	2.9	2.9	2.9	.0	.0
Local government	39.2	42.5	38.7	- 3.3	.5
Local government education	24.1	24.3	24.2	- .2	- .1
Local government, except education	15.1	18.2	14.6	- 3.1	.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

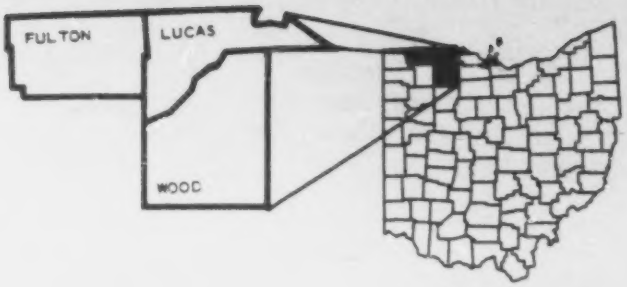
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MANUFACTURING	$579.31	$580.69	$517.02	44.7	44.6	42.8	$12.96	$13.02	$12.08
Durable Goods[e]	589.54	597.54	521.30	44.9	45.2	42.8	13.13	13.22	12.18
Fabricated metal products	412.90	391.52	402.69	43.1	41.3	43.3	9.58	9.48	9.30
Machinery, except electrical	626.06	621.92	564.99	46.0	46.0	43.9	13.61	13.52	12.87
Metalworking machinery	594.23	587.17	563.58	47.5	47.2	46.5	12.51	12.44	12.12
General industrial machinery	565.47	513.88	509.81	47.8	44.3	45.6	11.83	11.60	11.18
Electric and electronic equipment	471.04	469.20	460.29	46.0	46.0	47.6	10.24	10.20	9.67
Electrical industrial apparatus	576.18	576.18	527.42	49.5	49.5	49.2	11.64	11.64	10.72
Transportation equipment	747.20	785.18	608.85	45.7	47.3	41.0	16.35	16.60	14.85
Nondurable Goods[f]	546.12	531.15	504.61	43.9	42.8	42.8	12.44	12.41	11.79
Food and kindred products	397.27	376.47	353.18	43.8	42.3	41.6	9.07	8.90	8.49
Paper and allied products	541.69	493.27	525.34	47.6	44.2	47.2	11.38	11.16	11.13
Printing and publishing	442.71	448.37	426.09	38.8	39.4	38.7	11.41	11.38	11.01
Rubber and misc. plastics products	737.81	737.81	634.69	44.5	44.5	42.2	16.58	16.58	15.04
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	547.83	565.56	544.71	39.9	40.6	40.2	13.73	13.93	13.55
WHOLESALE TRADE	408.85	404.59	420.24	40.4	39.9	40.8	10.12	10.14	10.30
RETAIL TRADE[h]	169.35	163.54	162.17	28.9	28.1	28.5	5.86	5.82	5.69
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	359.81	356.71	375.18	34.3	34.2	34.9	10.49	10.43	10.75

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	2,313	2,852	2,812
Active File of Job Seekers	10,797	11,787	18,778
Referrals to Jobs	923	1,518	1,563
Placements	261	374	734
Job Openings Received	469	677	1,028
Job Openings Unfilled	1,343	1,822	1,925
Unemployment Insurance Program			
Initial Claims	5,376	3,134	5,318
Continued Claims	23,262	20,362	30,010
First Payments	2,074	1,304	2,033
Last Payments	320	288	453
Weeks Compensated	20,043	14,910	22,919
Benefits Paid	$2,846,918	$2,094,336	$3,202,788
Average Weekly Payment	$147.30	$143.67	$142.97

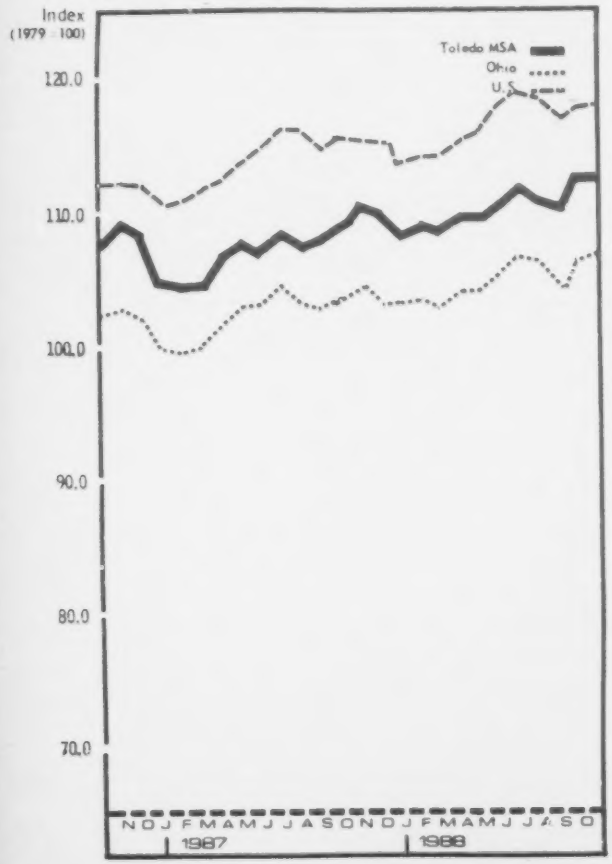
TOLEDO
METROPOLITAN STATISTICAL AREA



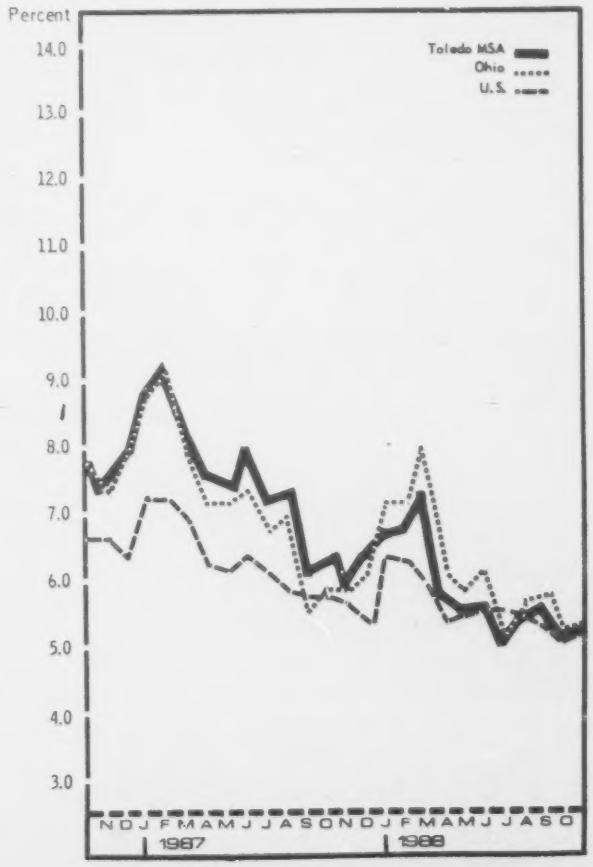
Total nonfarm payroll employment in the Toledo metropolitan area was 290,100 in December 1988, down 1,600 from November. Nonmanufacturing employment declined 1,400. The loss of temporary election workers and less business in construction negated seasonal gains in retail trade. Reductions in stone, clay, and glass products and rubber and miscellaneous plastics products lowered manufacturing employment 200, to 62,600. Factory production workers averaged $13.48 per hour, up $.05 from November. Their average workweek of 45.3 hours was .2 hours longer.

Nonagricultural wage and salary employment advanced 9,500 between December 1987 and December 1988. Significant expansion occurred in services and retail trade. Manufacturing employment increased 100 over the year. Modest growth was recorded in fabricated metal products, primary metal industries, nonelectrical machinery, and food and kindred products. Employment in electric and electronic equipment and transportation equipment declined.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

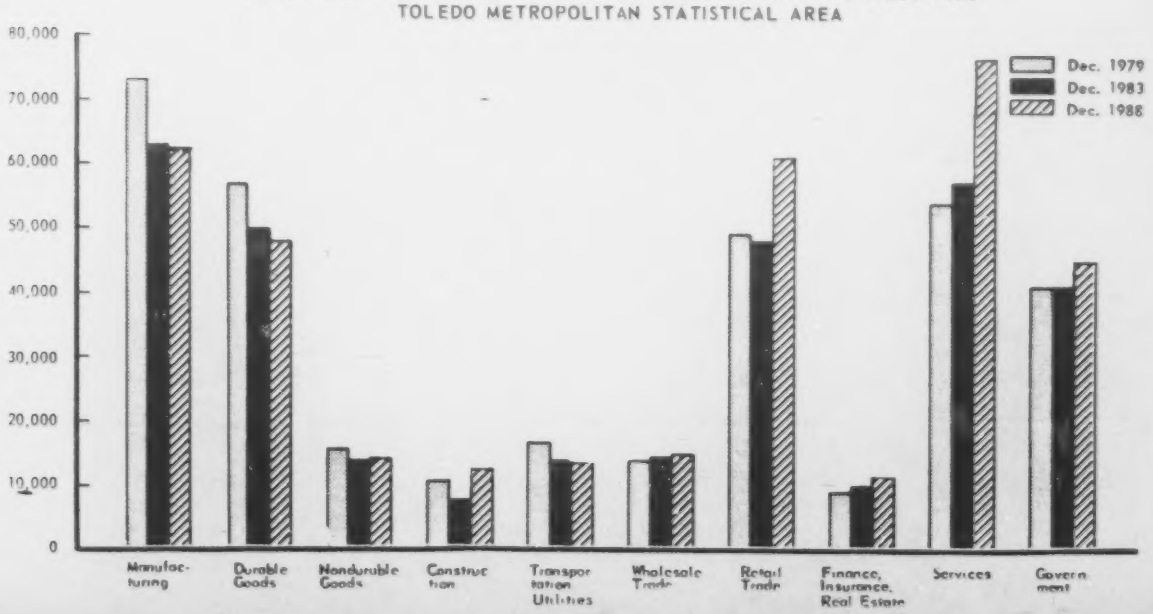


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	571.58	43.4	13.17
314.1	298.3	15.8	5.0	July	288.5	63.2	45.1	543.93	42.1	12.92
314.1	297.2	16.9	5.4	August	288.2	63.3	45.3	549.95	42.5	12.94
312.7	295.0	17.7	5.6	September	294.7	63.6	45.6	586.49	44.6	13.15
317.0	300.8	16.2	5.1	October	296.6	62.9	44.9	585.64	44.4	13.19
317.9	300.9	17.0	5.3	November	299.7	62.7	44.8	605.69	45.1	13.43
INA	INA	INA	INA	December	298.1	62.6	44.7	610.64	45.3	13.48

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
TOTAL	298.1	299.7	288.6	- 1.6	9.5
MANUFACTURING	62.6	62.7	62.5	- .2	.1
Durable Goods[e]	48.1	48.2	48.0	- .1	.0
Stone, clay, and glass products	8.1	8.2	8.1	- .1	.0
Primary metal industries	3.6	3.6	3.4	.0	.2
Fabricated metal products	7.8	7.8	7.5	.0	.3
Metal forgings and stampings	3.2	3.3	3.3	- .1	- .1
Machinery, except electrical	6.2	6.3	6.1	.0	.2
Electric and electronic equipment	2.1	2.1	2.5	.0	- .4
Transportation equipment	15.4	15.4	15.8	.0	- .4
Motor vehicles and equipment	14.4	14.4	14.8	.0	- .4
Nondurable Goods[f]	14.5	14.5	14.4	.0	.0
Food and kindred products	3.9	3.9	3.8	.0	.2
Rubber and misc. plastics products	3.0	3.1	3.0	- .1	.0
NONMANUFACTURING[g]	235.6	237.0	226.1	- 1.4	9.5
CONSTRUCTION	12.8	13.5	11.4	- .7	1.4
TRANSPORTATION AND PUBLIC UTILITIES	14.0	13.9	14.0	.1	.0
Trucking and warehousing	5.7	5.6	5.7	.1	.0
Communication, electric, gas services	5.0	5.0	5.0	.0	.0
WHOLESALE TRADE	15.3	15.2	14.9	.1	.4
Wholesale trade-durable goods	10.1	10.1	9.8	.0	.3
RETAIL TRADE	60.9	59.5	57.9	1.3	2.9
General merchandise stores	9.0	8.6	8.6	.4	.4
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.4	11.5	.0	- .1
Banking	3.6	3.6	3.6	.0	.1
SERVICES	76.1	76.2	72.5	- .1	3.6
Business services	16.8	16.7	15.6	.1	1.2
Health services	27.7	27.7	27.2	.1	.5
Hospitals	15.2	15.3	15.2	.0	.0
GOVERNMENT	44.8	47.0	43.6	- 2.2	1.2
State government	16.6	17.0	16.2	- .3	.4
State government education[i]	12.5	12.8	12.2	- .3	.3
State government, except education	4.1	4.2	4.0	.0	.1
Local government	25.6	27.4	24.8	- 1.9	.8
Local government education	14.9	14.6	14.4	.2	.5
Local government, except education	10.7	12.8	10.4	- 2.1	.3

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

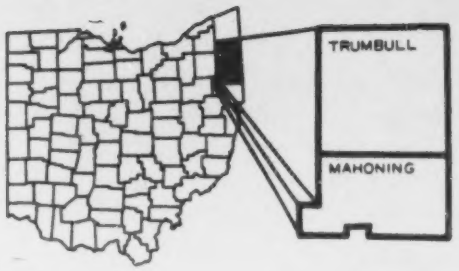
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MANUFACTURING	$610.64	$605.69	$556.84	45.3	45.1	43.3	$13.48	$13.43	$12.86
Durable Goods[e]	635.70	629.24	579.39	45.8	45.4	43.4	13.88	13.86	13.35
Stone, clay, and glass products	521.24	509.52	536.34	40.5	39.9	42.0	12.87	12.77	12.77
Primary metal industries	503.25	501.48	491.63	44.3	44.3	43.7	11.36	11.32	11.25
Fabricated metal products	558.27	532.67	579.46	46.1	44.8	45.2	12.11	11.89	12.82
Metal forgings and stampings	699.66	635.54	774.95	46.0	43.8	49.9	15.21	14.51	15.53
Machinery, except electrical	539.66	521.67	545.22	44.6	43.4	44.8	12.10	12.02	12.17
Electric and electronic equipment	581.53	581.76	457.46	46.3	45.7	38.9	12.56	12.73	11.76
Transportation equipment	851.16	855.60	684.56	49.4	49.6	43.0	17.23	17.25	15.92
Motor vehicles and equipment	861.06	867.26	688.86	49.6	49.9	43.0	17.36	17.38	16.02
Nondurable Goods[f]	522.33	523.47	472.86	43.6	44.1	42.6	11.98	11.87	11.10
Food and kindred products	671.08	674.84	526.25	47.9	48.1	43.1	14.01	14.03	12.21
Rubber and misc. plastics products	352.10	356.07	347.77	40.8	41.5	41.5	8.63	8.58	8.38
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	603.83	604.66	622.03	41.5	41.5	42.2	14.55	14.57	14.74
WHOLESALE TRADE	395.01	393.22	367.86	39.9	39.8	38.6	9.90	9.88	9.53
RETAIL TRADE[h]	162.73	158.75	164.87	28.6	27.9	29.6	5.69	5.69	5.57

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	2,046	2,089	2,084
Active File of Job Seekers	16,456	17,278	16,555
Referrals to Jobs	1,056	1,439	1,094
Placements	401	584	492
Job Openings Received	417	924	425
Job Openings Unfilled	854	1,838	771
Unemployment Insurance Program			
Initial Claims	4,108	3,015	5,111
Continued Claims	19,822	17,897	25,589
First Payments	1,724	1,131	1,596
Last Payments	261	214	359
Weeks Compensated	16,925	12,764	17,359
Benefits Paid	$2,523,288	$1,904,313	$2,506,149
Average Weekly Payment	$155.48	$154.01	$148.55

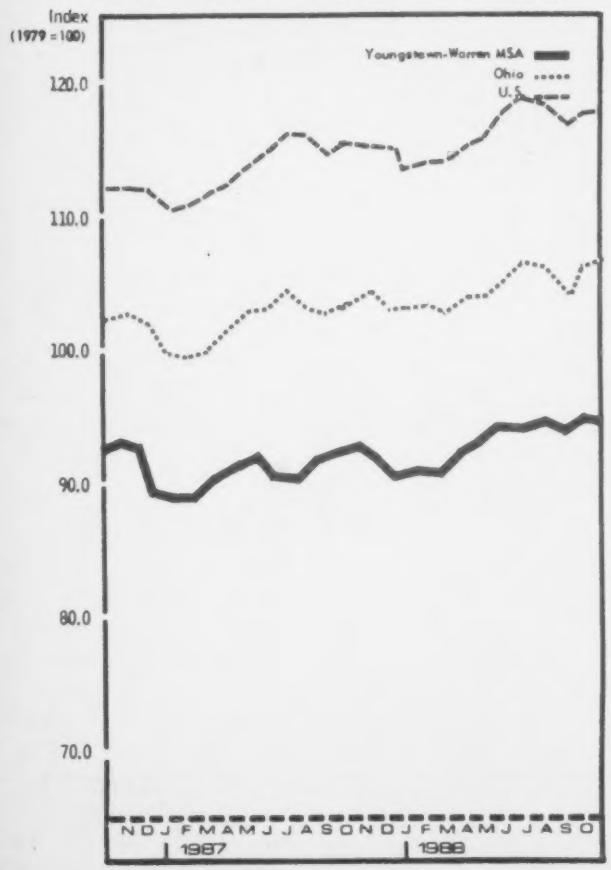
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



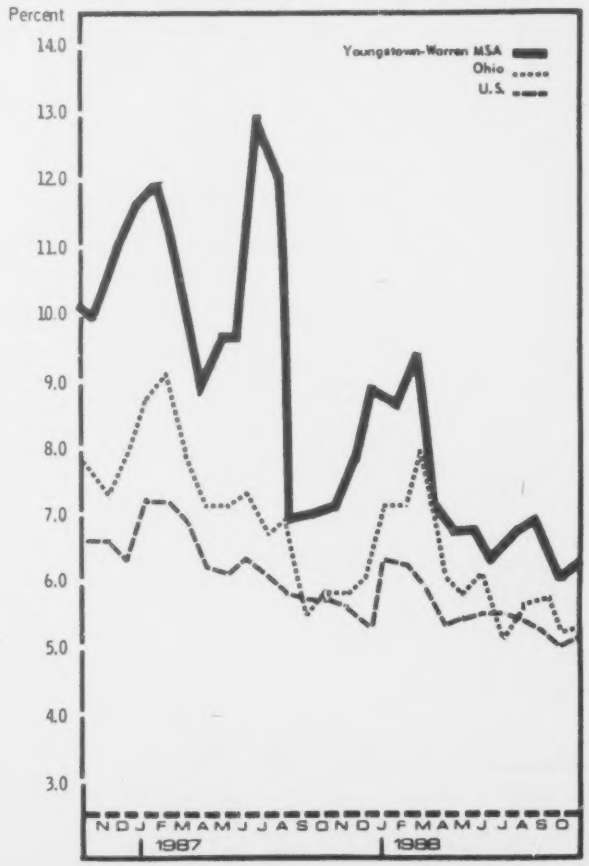
Nonfarm payroll employment in the Youngstown-Warren metropolitan area totaled 196,900 in December 1988, down 3,500 from November. The loss of temporary election workers and less business in construction lowered nonmanufacturing employment 1,600. The manufacturing workforce declined 1,900 due to a temporary shutdown for model changeovers in transportation equipment. Factory production worker average hourly earnings, at $13.62, dropped $.06 from November. Their average workweek of 43.0 hours was .4 hours shorter.

Nonagricultural wage and salary employment advanced 5,400 between December 1987 and December 1988. The improvement was concentrated in the nonmanufacturing sector, especially in retail trade and services. Modest growth was also noted in construction and wholesale trade. Manufacturing employment rose 200 over the year. A noteworthy gain was registered in primary metal industries, while employment in transportation equipment declined.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

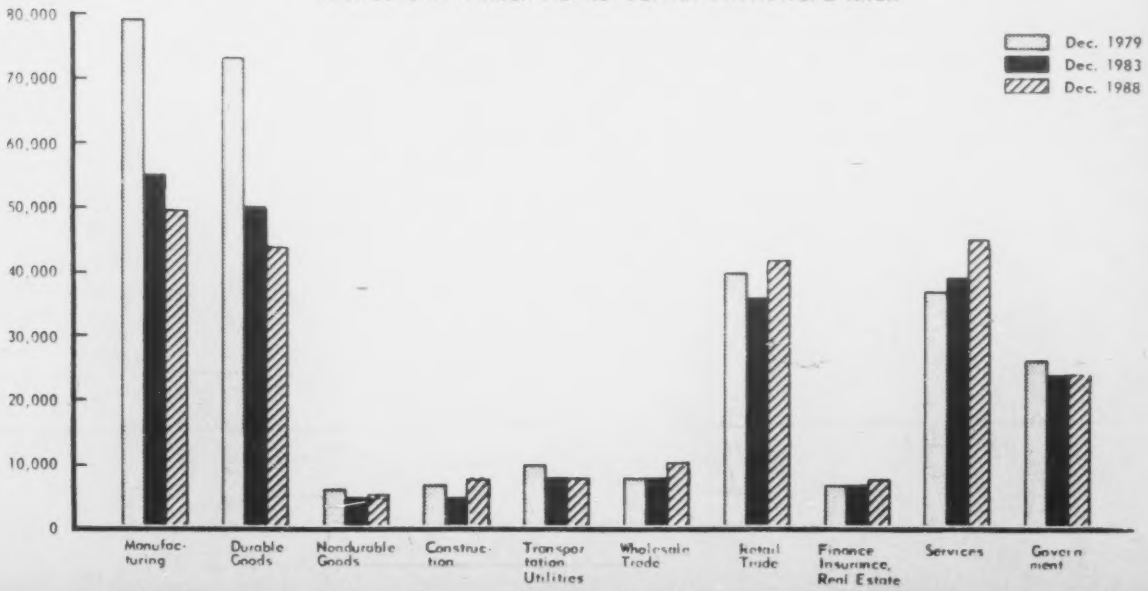


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
221.3	207.1	14.2	6.4	July	193.2	48.5	36.4	568.09	42.3	13.43
223.3	207.9	15.4	6.9	August	194.5	49.9	37.8	557.44	41.6	13.40
221.2	205.8	15.4	7.0	September	198.3	51.4	39.4	589.81	43.4	13.59
222.2	208.8	13.4	6.0	October	198.7	51.3	39.2	586.09	43.0	13.63
222.8	208.7	14.1	6.3	November	200.4	51.5	39.3	593.71	43.4	13.68
INA	INA	INA	INA	December	196.9	49.6	37.5	585.66	43.0	13.62

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1988[b]	November 1988[c]	December 1987[c]	From Last Month	From Last Year
TOTAL	196.9	200.4	191.5	- 3.5	5.4
MANUFACTURING	49.6	51.5	49.4	- 1.9	.2
Durable Goods[e]	44.1	46.0	44.3	- 1.8	- .1
Primary metal industries	19.4	19.3	18.3	.1	1.0
Blast furnace and basic steel products	5.5	5.5	5.6	.0	- .1
Fabricated metal products	7.7	7.7	7.5	.0	.3
Machinery, except electrical	3.9	3.9	3.6	.0	.3
Electric and electronic equipment	2.2	2.3	2.2	.0	.0
Transportation equipment	7.8	9.7	9.5	- 1.8	- 1.7
Nondurable Goods[f]	5.5	5.5	5.1	- .1	.3
NONMANUFACTURING[g]	147.3	148.9	142.1	- 1.6	5.2
CONSTRUCTION	8.0	8.8	7.3	- .7	.7
TRANSPORTATION AND PUBLIC UTILITIES	7.9	7.9	7.6	.1	.3
Communication, electric, gas services	2.9	2.9	3.0	.0	- .1
WHOLESALE TRADE	10.6	10.6	9.9	.0	.7
Wholesale trade-durable goods	6.4	6.5	6.2	- .1	.2
RETAIL TRADE	42.0	41.5	40.1	.5	1.8
General merchandise stores	5.8	5.6	5.8	.2	.0
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.3	8.2	.0	.1
Banking	2.9	2.8	2.8	.0	.0
SERVICES	45.4	45.3	43.8	.1	1.6
Health services	20.1	19.9	19.6	.2	.6
Hospitals	10.3	10.2	10.1	.1	.2
GOVERNMENT	24.5	25.9	24.6	- 1.4	- .1
State government	4.5	4.4	4.4	.0	.1
State government education[1]	3.0	3.0	2.9	.0	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	17.8	19.3	18.1	- 1.5	- .3
Local government education	11.4	11.5	11.9	- .1	- .4
Local government, except education	6.4	7.8	6.2	- 1.4	.2

Youngstown-Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]	Dec. 1988[b]	Nov. 1988[c]	Dec. 1987[c]
MANUFACTURING	$585.66	$593.71	$560.03	43.0	43.4	41.7	$13.62	$13.68	$13.43
Durable Goods[e]	601.44	610.05	574.14	43.3	43.7	42.0	13.89	13.96	13.67
Primary metal industries	656.64	667.92	617.19	43.4	44.0	41.9	15.13	15.18	14.73
Blast furnace and basic steel products	619.22	619.22	632.50	45.1	45.1	45.9	13.73	13.73	13.78
Fabricated metal products	587.80	597.18	532.88	43.8	44.4	40.4	13.42	13.45	13.19
Machinery, except electrical	499.22	495.22	479.65	43.6	43.1	41.6	11.45	11.49	11.53
Electric and electronic equipment	443.59	457.06	466.65	39.5	40.7	42.5	11.23	11.23	10.98
Transportation equipment	638.69	644.12	630.38	44.2	44.3	43.0	14.45	14.54	14.66
Nondurable Goods[f]	414.36	421.46	412.51	39.5	40.8	39.1	10.49	10.33	10.55
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	559.18	570.24	550.25	40.2	40.5	40.4	13.91	14.08	13.62
WHOLESALE TRADE	383.76	376.99	353.73	40.1	39.6	38.2	9.57	9.52	9.26
RETAIL TRADE[h]	183.31	176.29	179.10	30.4	28.9	30.1	6.03	6.10	5.95

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	1,415	1,972	1,674
Active File of Job Seekers	14,487	16,831	15,180
Referrals to Jobs	796	1,171	1,208
Placements	238	389	581
Job Openings Received	330	545	699
Job Openings Unfilled	489	807	426
Unemployment Insurance Program			
Initial Claims	4,565	4,244	5,632
Continued Claims	24,409	15,984	24,177
First Payments	3,251	1,033	1,819
Last Payments	241	238	263
Weeks Compensated	20,312	11,975	18,691
Benefits Paid	$3,199,354	$1,650,145	$2,603,000
Average Weekly Payment	$163.98	$142.65	$143.37

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	.40	.2
Manufacturing	.56	.3
Nonmanufacturing	.35	.2
Mining	.56	1.1
Construction	.17	1.1
Transportation and Public Utilities	.43	.3
Wholesale Trade	.19	.3
Retail Trade	.20	.4
Finance, Insurance, and Real Estate	.42	.2
Services	.26	.3
Government	.70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	December 1988	November 1988	December 1987
New Applicants	31,650	36,413	36,467
Active File of Job Seekers	232,223	250,577	261,242
Counseling Interviews	923	1,208	1,235
Tests Administered	1,048	1,712	5,346
General Aptitude Tests	76	326	375
Proficiency Tests	197	278	358
Specific Aptitude Tests	315	206	1,377
Referrals to Jobs	16,946	25,370	18,817
Placements	4,180	6,445	5,980
Job Openings Received	6,861	10,161	8,930
Job Openings Unfilled	17,520	22,792	15,534

Selected Unemployment Insurance Activities

	December 1988	November 1988	December 1987
Initial Claims	72,994	54,529	88,767
Continued Claims	371,296	321,870	489,154
First Payments	33,917	21,348	30,107
Last Payments	4,984	4,830	5,944
Average Weekly Claimants	84,895	67,968	95,067
Average Weekly Benefit Recipients	69,005	49,980	75,329
Weeks Compensated	315,382	229,564	359,573
Benefits Paid	$47,824,025	$34,306,620	$53,088,604
Average Weekly Payment	$157.22	$153.93	$151.41
Continued Claims for Survey Week	87,702	64,456*	95,499*
Insured Unemployment Rate	1.9	1.5	2.2
Net Contributions	$5,205,627	$76,038,659	$6,715,484
Active Employer Accounts	201,646	200,899	197,855

* Revised

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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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